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IRON ORES - X-RAY FLUORESCENCE ANALYSIS OF IRON ORES STATISTICAL EVALUATION OF INTERNATIONAL TEST DATA - 1984

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IRON ORES - X-RAY FLUORESCENCE ANALYSIS OF IRON ORES
STATISTICAL EVALUATION OF INTERNATIONAL TEST DATA - 1984

by

R. Sutarno* and W.S. Bowman**

SUMMARY

The analytical data collected from the international test conducted by ISO/TC 102/SC 2/WG 15A, on the determination of various elements in iron ores by an X-ray fluorescence method, during the period of 1982-1984, have been statistically evaluated to estimate the precision of the method.

These data are comprised of results for ten elements: Fe, Mn Ti, Ca, K, S, P, Si, Al and Mg, in seven different iron ore samples. Two methods of physical correction were applied to the data. The resuts of computations are presented in the form of grand means, within-laboratory and between-laboratories standard deviations, repeatability and permissible tolerance for each element-sample. Linear regression equations of the precisions as functions of the element contents are also presented for each element.

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ISO/TC 102/SC 2/WG 15A

IRON ORES - X-RAY FLUORESCENCE ANALYSIS OF IRON ORES STATISTICAL EVALUATION OF INTERNATIONAL TEST DATA - 1984

1. INTRODUCTION

These analytical data are the results of international tests conducted by ISO/TC 102/SC 2/WG 15A (ISO Technical Committee 102 - Iron Ores, Subcommittee 2 - Chemical Analysis, Working Group 15A - X-ray Fluorescence Analysis of Iron Ores) during the period of 1982-1984. This statistical analysis was performed as part of the mandate of ISO/TC 102/SC 2/WG 12B (Working Group on Evaluation of Statistical Data) to analyse analytical data resulting from international tests conducted by all working groups within ISO/TC 102/SC 2.

2. PRINCIPLE OF THE ANALYTICAL METHOD (1)

The specimen on which X-ray fluorescence measurements are made is prepared by incorporating the test portion of the iron ore sample, via fusion, into a borate glass disc using a casting procedure. By using such a specimen, particle size effects are eliminated.

X-ray fluorescence measurements are based on the 'line only' principle. Backgrounds are not measured on each specimen, but are determined on several blank specimens at the line positions.

Calibration is carried out using pure chemicals. Results are obtained after matrix corrections for interelement effects.

Hygroscopic moisture is determined separately on the laboratory sample in accordance with ISO 2596. Loss on fusion is determined as part of the preparation of the glass specimen that is used for X-ray fluorescence analysis.

3. STATISTICAL EVALUATION

3.1 Experimental design

Experimental design of B-stage described in document ISO/TC 102/SC 2 N 743E (2) was used. Each participating laboratory received two bottles of each iron ore sample. Each bottle was analysed in duplicate on different days (day 1 and day 2) for 10 elements (Fe, Mn, Ti, Ca, K, S, P, Si, Al and Mg). Seven iron ore samples were used for this international test; a total of 70 sets of international test data were collected. Twenty-four laboratories participated; fifteen used Li-borate flux, six Na-borate flux and three used both fluxes. A total of twenty-seven sets of laboratory results for each element-sample were collected except for K, where only twenty-two laboratory sets data were available. Data from one laboratory were considered as physical outliers and were not used for computation.

Two methods of corrections were applied to the data by the convener of WG 15A before the data were sent for evaluation. These corrections are termed as: (1) loss corrected alpha and (2) loss on fusion corrected. The detailed procedure of these corrections will be described in the convener's report.

3.2 Computation

The analytical data were statistically evaluated using the procedure described in document ISO/TC 102/SC 2 N 739E (3). This procedure is schematically illustrated in Figure 3. The raw data are also plotted in Figure 2. Due to the large quantity of the data (total of 140 sets of interlaboratory test data), the detailed computations are not presented. The output of the computer program was modified to facilitate the following presentation:

(a) Tables 2 (Data presentation)

Each of these tables presents a set of interlaboratory data for each element-sample. The first column, under the heading of "NO", is the laboratory number assigned by the computer. The second column, under the heading of "Country", gives the laboratory number assigned by the converner of WG 15A. The two analytical results on the same row are replicates performed on day 1 and day 2. The sixth and seventh columns are the laboratory means and variances respectively.

(b) Figures 2 (Graphical presentation of the raw data)

The analytical data are presented by laboratory number assigned by the WG 15A convener. The vertical lines on these figures divide those results according to the flux used. The left side of the vertical line (i.e., lab 1 to Lab 41) used Li-borate flux, while the right side of the vertical line (i.e., Lab 13 to Lab 40) used Na-borate flux.

The circled points are those results identified as suspected outliers by Dixon's test (i.e., due to lack of accuracy), while the vertical arrows identify results suspected as outliers due to Cochran's test (i.e., due to lack of precision). In most cases these suspected outliers are not used for computation of the grand means and precision. The exception is when the sample was identified as inhomogeneous with respect to a particular element. In this case, even fewer results were used for computation of means and precision in order to satisfy the orthogonality requirement of two-way ANOVA (Figure 3). In this case, these encircled and arrowed points are the results that would have been identified as outliers had the sample been homogeneous.

3.3 Results of computation

The results of computations are summarized in Table 1. The estimated precisions are plotted against their corresponding grand means in Figure 1. Table 3 lists the frequency of outliers reported by each participating laboratory. Graphically these outliers are presented in Figure 4.

Table 2 shows that the concentrations for some elements are negative; obviously, further work is necessary. For this reason, no comparison was made, at this time, between the precision and accuracy estimated from this international test with those obtained by other methods of analysis.

Within the SC 2, the ratio of σ_L/σ_r and the number of laboratories reporting outlying results have been used as a mesure of the degree of the standardization of the analytical method. The presumption is that a well standardized method should be applicable by any laboratory with equal precision and accuracy; the better the method is standardized the lower σ_L/σ_r ratio will be and the less the number of outliers. The average σ_L/σ_r ratios obtained in this international test is 2.7. The average σ_L/σ_r ratios for the other methods developed by SC 2 is 2.0.

The number of outliers are less than 15% of the total data. This is reasonable in comparison with other methods particularly since most of these outliers were reported by only three laboratories, namely Lab. 13, Lab. 23 and Lab. 31.

There seems to be a problem with sample 83-9. The between-bottles variation for this sample is significant for Mn, Ti, K, S and Mg. This sample is probably inhomogeneous. Other samples that show significant between-bottles variation are 83-1 for K and 83-17 for Ti (only on Loss on Fusion Corrected data).

Figure 2 shows that there is no obvious difference between the two fusion methods used.

Table 3. Number of outlying set of laboratory results and single results reported by each participating laboratories

Laboratory No.	Loss Corrected Alpha				Loss on Fusion Corrected			
	Set of Lab. results			Single results	Set of Lab. results			Single results
	Cochran	Dixon	Total		Cochran	Dixon	Total	
Lab. 1	2	-	2	1	3	-	3	1
Lab. 2	4	-	4	1	4	-	4	1
Lab. 3	7	-	7	1	7	-	7	2
Lab. 4	6	-	6	1	6	-	6	1
Lab. 6	4	-	4	3	4	-	4	4
Lab. 9	12	-	12	2	12	-	12	2
Lab. 12	10	6	16	-	10	4	14	-
Lab. 14	6	10	16	1	6	9	15	1
Lab. 15	1	3	4	-	1	2	3	-
Lab. 20	4	8	12	1	6	7	13	1
Lab. 21	-	4	4	-	1	4	5	1
Lab. 22	-	-	-	-	-	-	-	-
Lab. 23	2	33	35	-	3	32	35	-
Lab. 31	17	13	30	-	17	12	29	-
Lab. 33	-	1	1	1	-	1	1	1
Lab. 35	2	7	9	-	2	7	9	-
Lab. 41	4	1	5	1	4	-	4	1
Lab. 13	9	45	54	1	9	39	38	1
Lab. 16	8	2	10	1	9	1	10	1
Lab. 18	2	4	6	-	3	3	6	-
Lab. 21	1	2	3	-	-	2	2	-
Lab. 22	-	-	-	-	-	-	-	-
Lab. 25	15	2	17	1	14	2	16	-
Lab. 26	1	-	1	-	1	-	1	-
Lab. 33	-	-	-	-	-	-	-	1
Lab. 40	7	-	7	-	1	-	1	1
Total	124	141	265		123	125	248	

REFERENCES

1. "Iron Ores - Determination of Fe, Si, Al, Ti, P, Mn, Ca, K, Mg and S - Wavelength dispersive X-ray fluorescence spectrometric method"; Second working draft, ISO/TC 102/SC 2/WG 15A, January 1984.
2. "Iron Ores - Chemical analysis working group operating procedure"; ISO/TC 102/SC 2 N 743E, 1983-08-24.
3. "Procedure for statistical evaluation of analytical data resulting from international tests"; sixth draft proposal, ISO/TC 102/SC 2 N 739E, 1983-09-05.

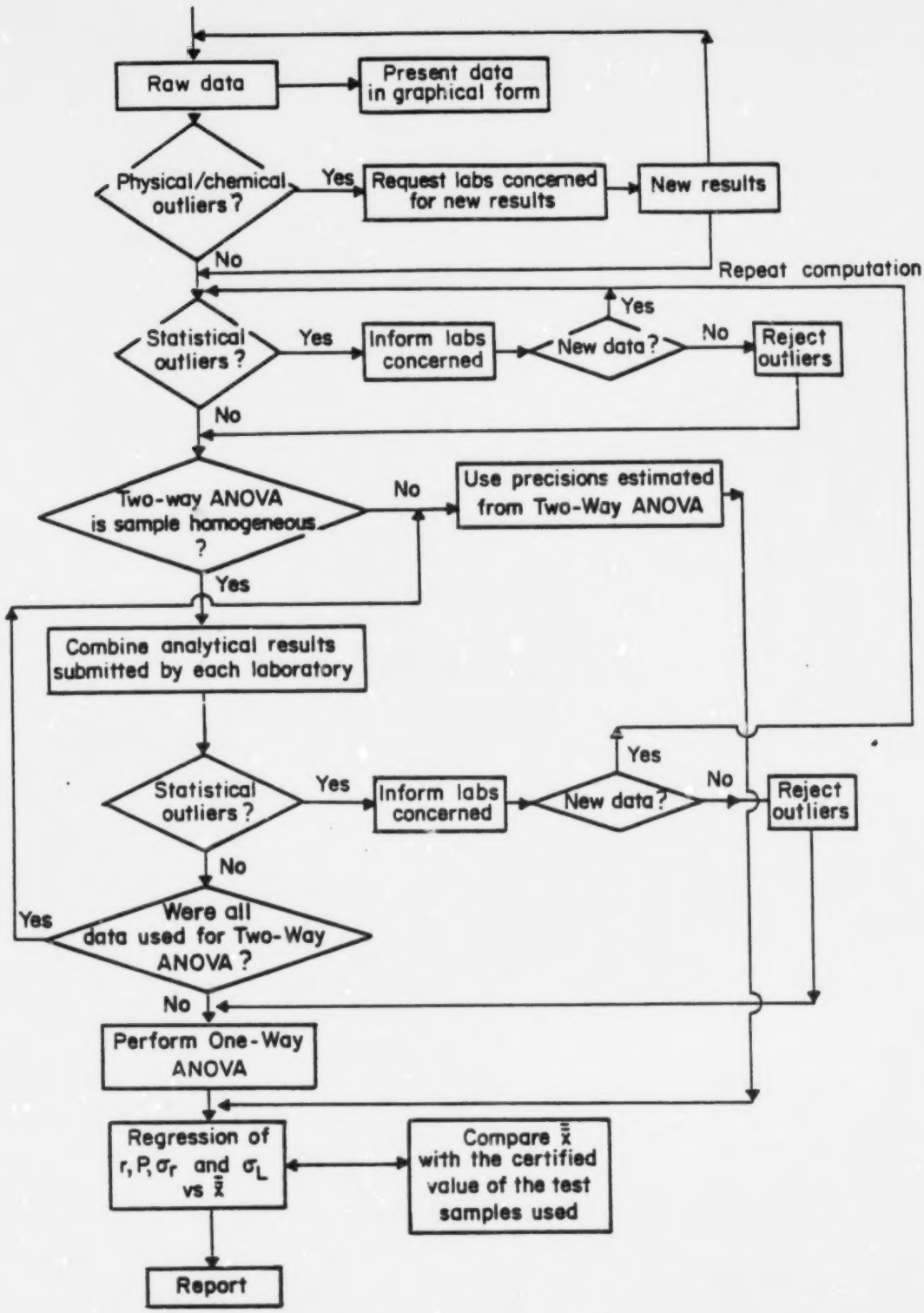
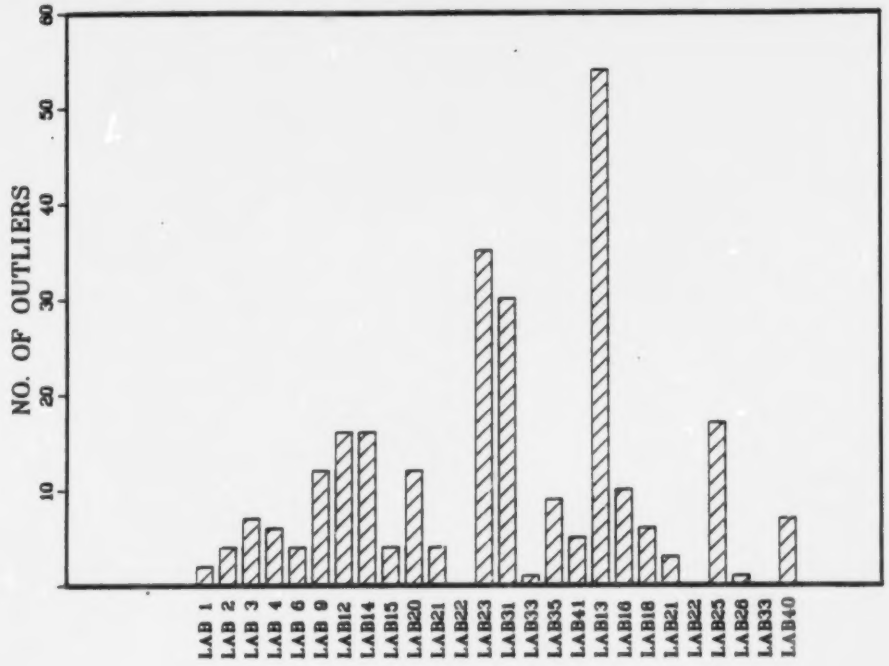


Figure 3. Flowchart of the procedure for the statistical evaluation

(a) ISO/TC 102/SC 2/WG 15A —— LOSS CORRECTED ALPHA



(b)ISO/TC 102/SC 2/WG 15A —— LOSS ON FUSION CORRECTED

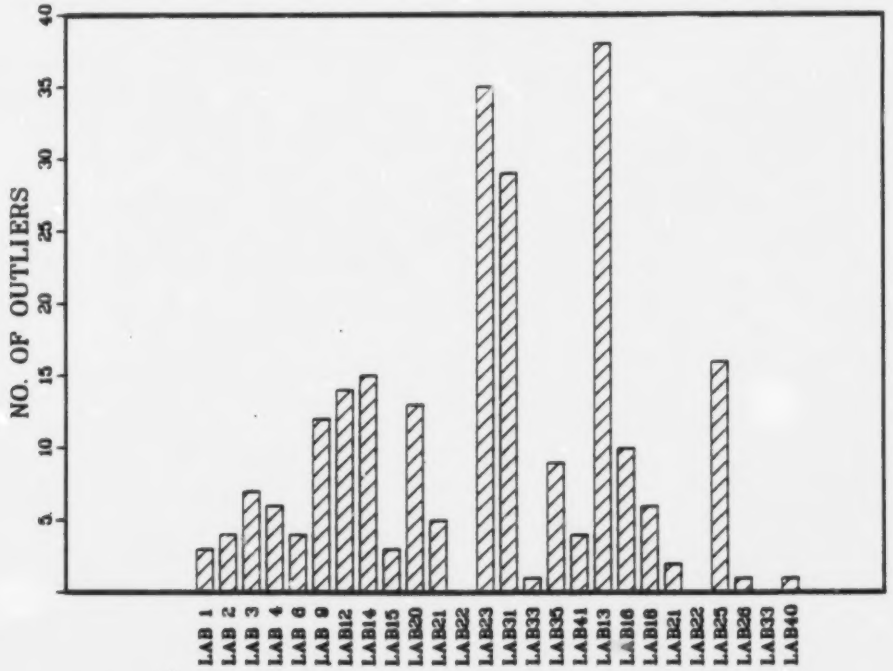


Figure 4. No. of outlying laboratory set results reported by various participating laboratories

ISO/TC 102/SC 2/WG 15A

Tables 1

Summary of the results of statistical evaluation of
International test data - 1982/84

Figures 1

Regression plots of the precision vs grand mean obtained
from international test data - 1982/84

Abbreviations Used in the Report

σ_r = SIGMA-R - within laboratory standard deviation

σ_L = SIGMA-L - between laboratories standard deviation

r* = R - repeatability
= $2.83 * \sigma_r$

p** = permissible tolerance between laboratories

= $2.83\sqrt{\sigma_L^2 + \sigma_r^2/2}$

KO = total no. of laboratory sets results

K = No. of laboratory sets results used for ANOVA

NO = total no. of analytical results

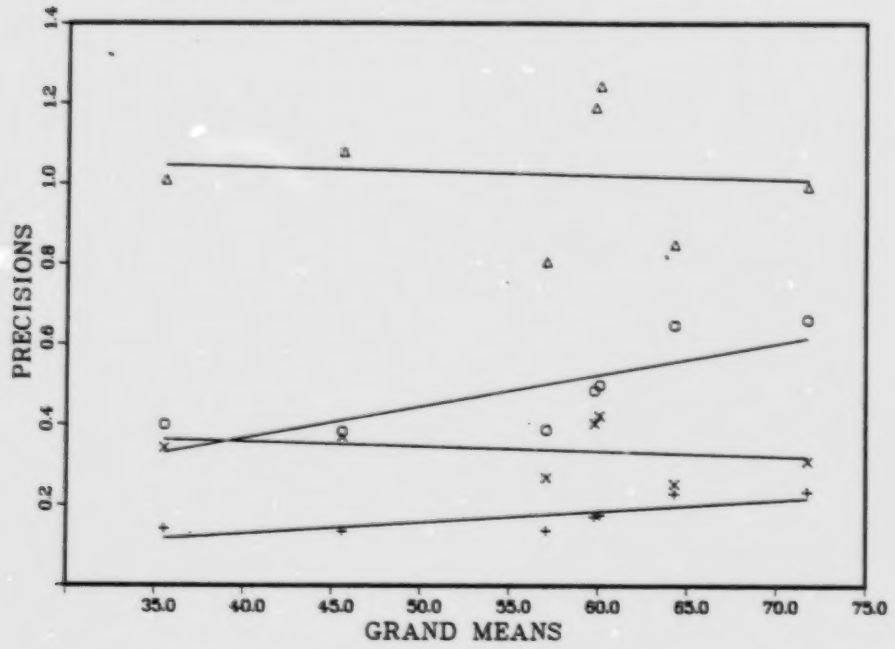
N = No. of analytical results used for ANOVA

ANOVA = Analysis of variance - a method to estimate precision and means from the analytical results

* Repeatability, r, is the value below which the absolute difference between two independent single test (analysis) results produced by a laboratory on identical material using the same equipment within a short interval of time, using the standardized test method, may be expected to be with a 95% probability.

** Permissible tolerance between laboratories, P, is the value below which the absolute difference between two means of duplicate test results on identical material obtained by operations of different laboratories using the standardized test method, may be expected to lie with a 95% probability.

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE

(b) LOSS ON FUSION CORRECTED

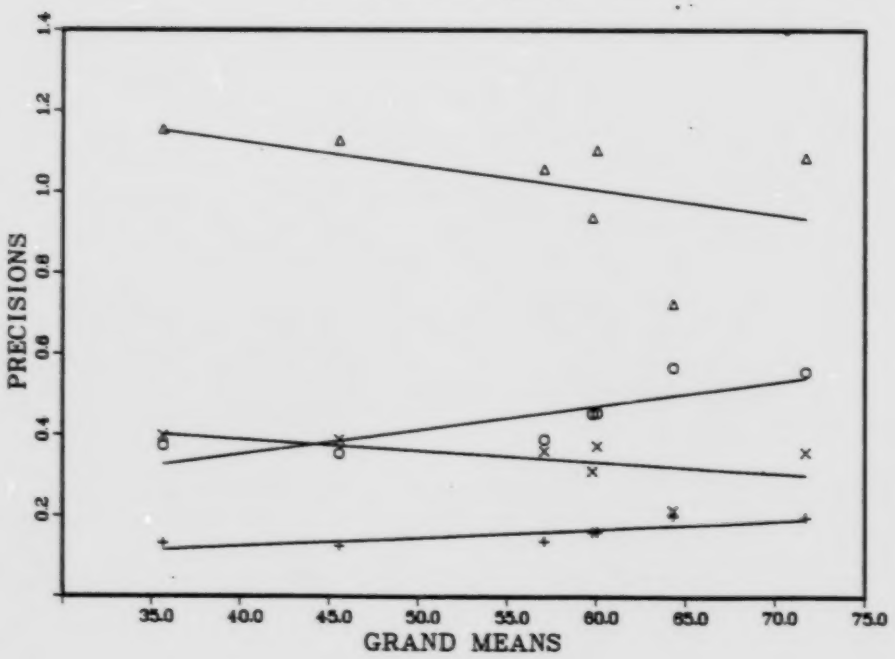


Figure 1. Fe - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE

Table 1. Fe

(a) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE LOSS CORRECTED ALPHA

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
FE	77-8	26	22	104	88	45.6125	.3819	1.0789	.13495	.36890	2.73
FE	79-4	26	24	104	96	35.5651	.3995	1.0087	.14114	.34216	2.42
FE	79-13	26	22	104	88	60.0713	.4980	1.2434	.17596	.42137	2.39
FE	83-1	26	21	104	84	57.0708	.3866	.8050	.13662	.26755	1.96
FE	83-9	26	21	104	84	59.7459	.4843	1.1996	.17111	.40256	2.35
FE	83-16	26	22	104	88	71.7436	.6604	.9971	.23337	.30931	1.33
FE	83-17	26	23	104	91	64.2486	.6465	.8478	.22843	.25232	1.10

THE REGRESSION EQUATIONS ARE:

				CORR. COEFF.
R	= .0078 X	+	.0527	.7985
P	= -.0011 X	+	1.0831	-.0784
SIGMA-R	= .0028 X	+	.0186	.7984
SIGMA-L	= -.0012 X	+	.4059	-.2253

(b) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE LOSS ON FUSION CORRECTED

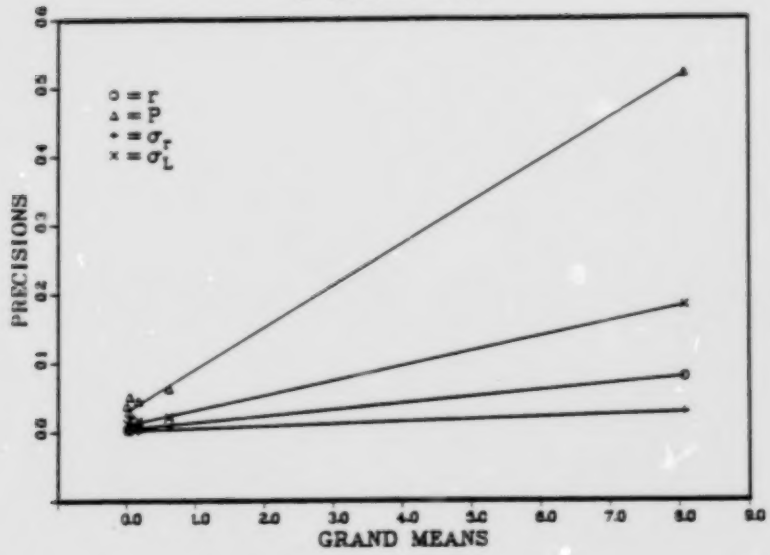
SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
FE	77-8	26	22	104	88	45.5827	.3540	1.1268	.12508	.38822	3.10
FE	79-4	26	24	104	96	35.6699	.3725	1.1538	.13167	.39604	3.02
FE	79-13	26	22	104	88	60.0666	.4551	1.1030	.16080	.37280	2.32
FE	83-1	26	22	104	88	57.1149	.3887	1.0560	.13734	.36028	2.62
FE	83-9	26	21	104	84	59.8092	.4532	.9370	.16013	.31113	1.94
FE	83-16	26	22	104	88	71.7212	.5564	1.0849	.19663	.35725	1.82
FE	83-17	26	23	104	91	64.3154	.5666	.7243	.20022	.21319	1.06

THE REGRESSION EQUATIONS ARE:

				CORR. COEFF.
R	= .0060 X	+	.1138	.8385
P	= -.0060 X	+	1.3650	-.4809
SIGMA-R	= .0021 X	+	.0402	.8385
SIGMA-L	= -.0029 X	+	.4985	-.5238

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

(b) LOSS ON FUSION CORRECTED

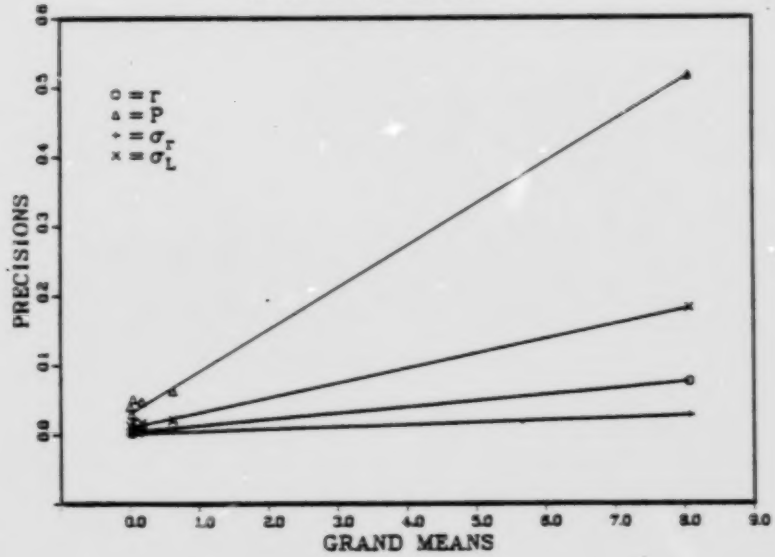


Figure 1. MN - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

Table 1. Mn

(a) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN LOSS CORRECTED ALPHA

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
MN	77-8	26	24	104	96	.0045	.0035	.0380	.00122	.01339	11.00
MN	79-4	26	23	104	92	.1760	.0058	.0450	.00204	.01582	7.74
MN	79-13	25	21	100	84	8.0753	.0791	.5199	.02796	.18263	6.53
MN	83-1	26	23	104	92	.0300	.0052	.0297	.00183	.01042	5.70
MN	83-9	26	19	104	76	.6191	.0143	.0629	.00505	.02194	4.34
MN	83-16	26	19	104	76	.0323	.0027	.0051	.00096	.00166	1.72
MN	83-17	26	25	104	100	.0481	.0039	.0514	.00139	.01813	13.02

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R	=	.0093 X	+	.0044	.9975
P	=	.0607 X	+	.0295	.9971
SIGMA-R	=	.0033 X	+	.0016	.9975
SIGMA-L	=	.0213 X	+	.0103	.9970

(b) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN LOSS ON FUSION CORRECTED

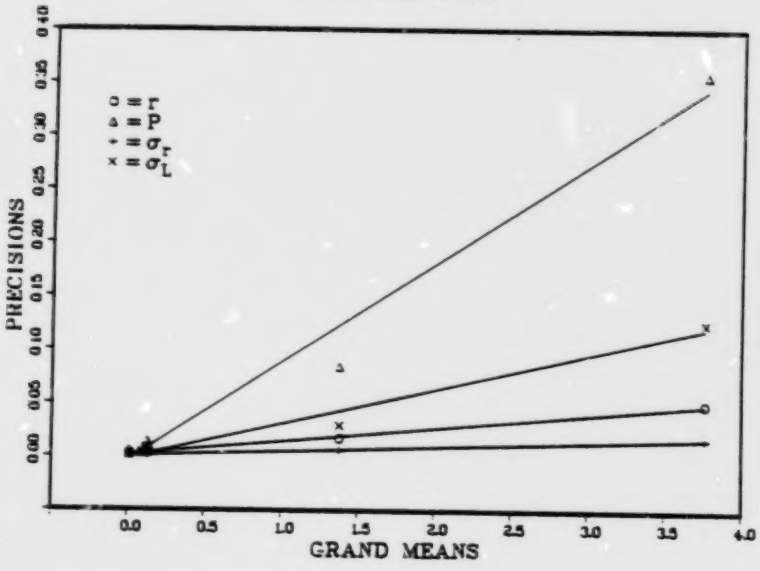
SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
MN	77-8	26	23	104	91	.0037	.0032	.0404	.00111	.01424	12.78
MN	79-4	26	23	104	92	.1763	.0058	.0479	.00209	.01686	8.21
MN	79-13	25	21	100	84	8.0749	.0793	.5164	.02662	.18151	6.82
MN	83-1	26	23	104	92	.0301	.0052	.0296	.00189	.01037	5.50
MN	83-9	26	20	104	80	.6201	.0131	.0630	.00464	.02201	4.75
MN	83-16	26	19	104	75	.0321	.0028	.0046	.00099	.00146	1.48
MN	83-17	26	25	104	100	.0483	.0038	.0518	.00136	.01828	13.48

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R	=	.0088 X	+	.0043	.9980
P	=	.0602 X	+	.0304	.9967
SIGMA-R	=	.0031 X	+	.0015	.9980
SIGMA-L	=	.0211 X	+	.0107	.9966

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI

(b) LOSS ON FUSION CORRECTED

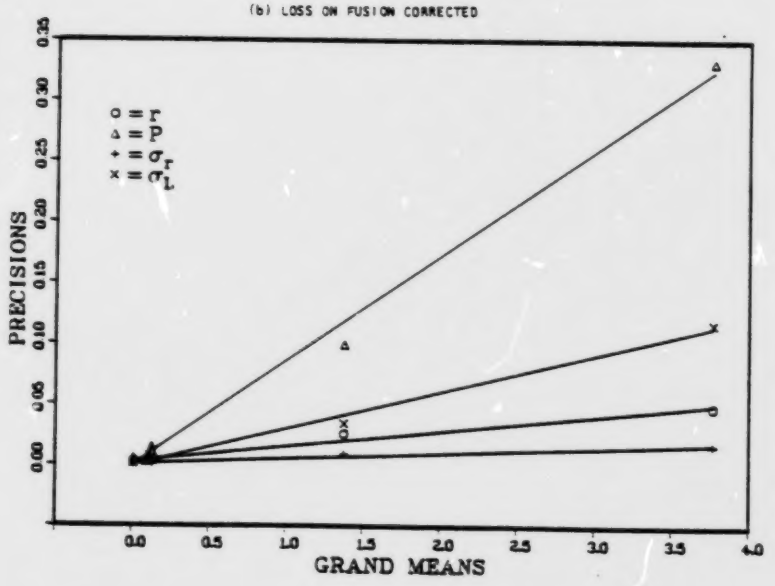


Figure 1 - TI - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI

Table 1. TI

(a) ISO/TC 102/SC 2/WG 19A XRF SPECTROMETRIC METHOD - 1984 TI LOSS CORRECTED ALPHA

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
TI	77-8	26	22	104	88	.0085	.0021	.0094	.00075	.00185	2.47
TI	79-4	26	24	104	96	.1281	.0038	.0140	.00134	.00486	3.62
TI	79-13	26	21	104	84	.0084	.0027	.0092	.00094	.00092	.98
TI	83-1	26	25	104	100	.1312	.0043	.0099	.00153	.00334	2.19
TI	83-9	26	22	104	88	3.7643	.0500	.3572	.01768	.12561	7.11
TI	83-16	26	23	104	92	.0939	.0034	.0078	.00120	.00262	2.18
TI	83-17	26	23	104	92	1.3797	.0173	.0841	.00612	.02941	4.80

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R	=	.0126	X	+	.0021	.9986
P	=	.0922	X	+	-.0038	.9908
SIGMA-R	=	.0044	X	+	.0007	.9986
SIGMA-L	=	.0325	X	+	-.0015	.9907

(b) ISO/TC 102/SC 2/WG 19A XRF SPECTROMETRIC METHOD - 1984 TI LOSS ON FUSION CORRECTED

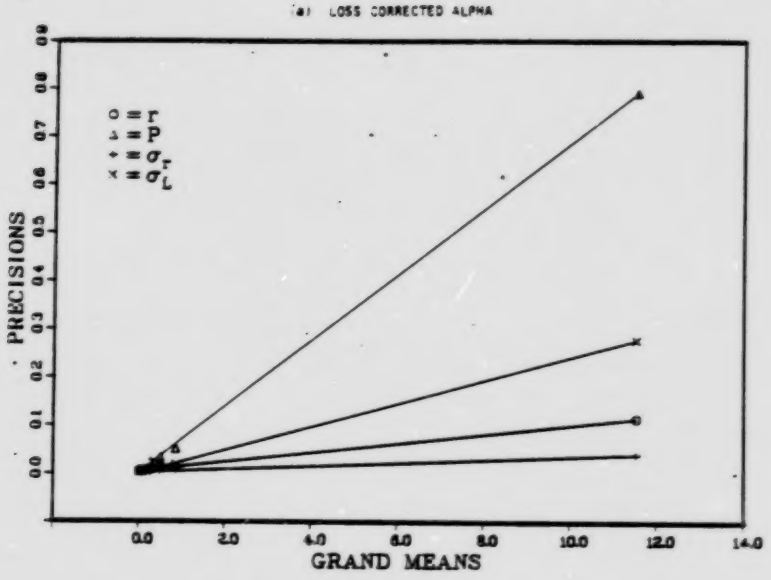
SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
TI	77-8	26	22	104	88	.0085	.0022	.0094	.00079	.00184	2.32
TI	79-4	26	24	104	96	.1285	.0038	.0147	.00134	.00911	3.81
TI	79-13	26	21	104	84	.0084	.0026	.0092	.00093	.00093	.99
TI	83-1	26	25	104	100	.1313	.0040	.0109	.00143	.00371	2.60
TI	83-9	26	24	104	96	3.7684	.0482	.3324	.01704	.11684	6.86
TI	83-16	26	22	104	88	.0937	.0030	.0077	.00105	.00262	2.49
TI	83-17	26	25	104	100	1.3790	.0258	.0992	.00913	.03445	3.77

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R	=	.0125	X	+	.0029	.9899
P	=	.0865	X	+	-.0005	.9973
SIGMA-R	=	.0044	X	+	.0010	.9898
SIGMA-L	=	.0304	X	+	-.0003	.9970

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA

(b) LOSS ON FUSION CORRECTED

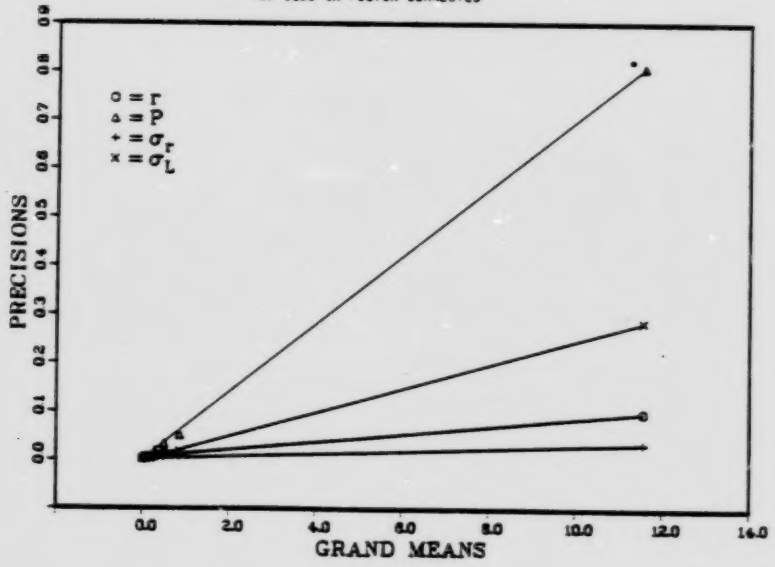


Figure 1. Ca - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA

Table 1, Ca

(a) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA LOSS CORRECTED ALPHA

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(%)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
CA	77-8	26	22	104	86	.0017	.0048	.0081	.00170	.00261	1.53
CA	79-4	26	23	104	92	11.9303	.1190	.7922	.04062	.27846	6.85
CA	79-13	26	23	104	92	.2767	.0090	.0239	.00317	.00814	2.57
CA	83-1	26	22	104	88	.1062	.0059	.0090	.00195	.00284	1.46
CA	83-9	26	25	104	100	.4998	.0130	.0338	.00498	.01130	2.47
CA	83-16	26	19	104	76	.0059	.0048	.0092	.00169	.00137	.81
CA	83-17	26	25	104	100	.8630	.0131	.0507	.00461	.01762	3.82

THE REGRESSION EQUATIONS ARE:

			CORR. COEFF.
R	= .0095 X +	.0036	.9999
P	= .0685 X +	.0018	.9998
SIGMA-R	= .0034 X +	.0020	.9999
SIGMA-L	= .0241 X +	.0003	.9998

(b) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA LOSS ON FUSION CORRECTED

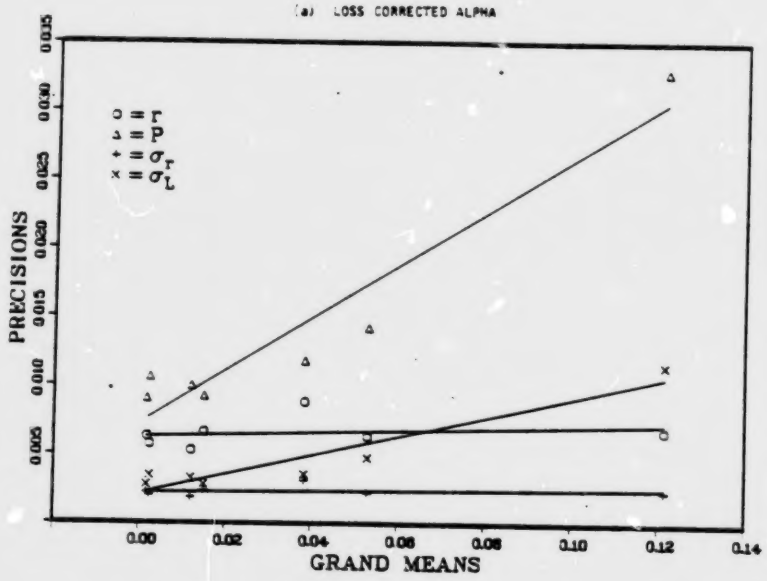
SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(%)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
CA	77-8	26	22	104	86	.0017	.0049	.0083	.00172	.00269	1.94
CA	79-4	26	22	104	88	11.9718	.0987	.8094	.03487	.28493	8.17
CA	79-13	26	22	104	88	.2779	.0087	.0195	.00306	.00694	2.14
CA	83-1	26	22	104	88	.1065	.0056	.0097	.00199	.00311	1.97
CA	83-9	26	25	104	100	.5002	.0129	.0336	.00455	.01141	2.91
CA	83-16	26	19	104	75	.0059	.0032	.0065	.00114	.00214	1.88
CA	83-17	26	25	104	100	.8639	.0131	.0509	.00462	.01767	3.82

THE REGRESSION EQUATIONS ARE:

			CORR. COEFF.
R	= .0081 X +	.0037	.9987
P	= .0698 X +	.0011	.9998
SIGMA-R	= .0028 X +	.0020	.9987
SIGMA-L	= .0246 X +	.0001	.9998

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K

(b) LOSS ON FUSION CORRECTED

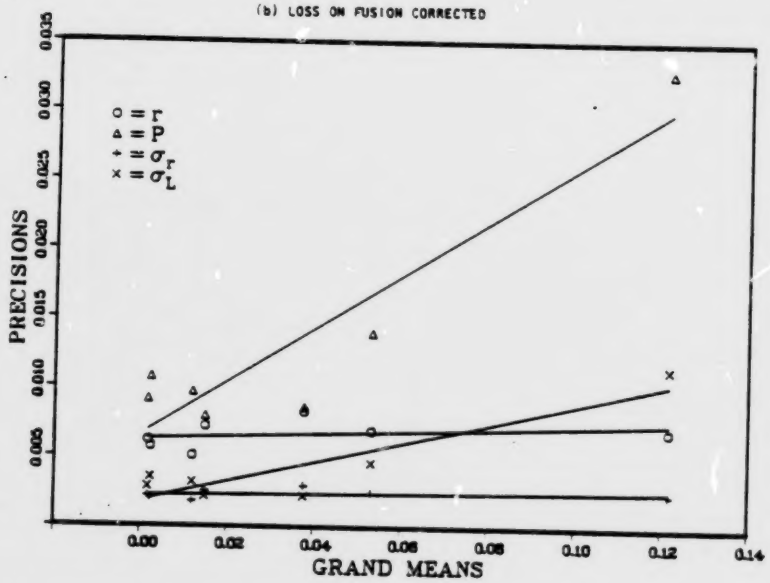


Figure 1 K - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K

Table 1. K

(a) ISO/TC 102/SC 2/WG 19A XRF SPECTROMETRIC METHOD - 1984 K LOSS CORRECTED ALPHA

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
K	77-8	21	19	84	76	.0024	.0057	.0106	.00202	.00343	1.71
K	79-4	21	18	84	71	.1219	.0068	.0328	.00239	.01148	4.80
K	79-13	21	18	84	72	.0121	.0053	.0100	.00186	.00326	1.75
K	83-1	21	16	84	64	.0150	.0066	.0092	.00234	.00280	1.20
K	83-9	21	13	84	52	.0384	.0088	.0118	.00311	.00355	1.14
K	83-16	21	19	84	76	.0018	.0063	.0090	.00222	.00278	1.25
K	83-17	21	20	84	78	.0330	.0063	.0142	.00223	.00476	2.14

THE REGRESSION EQUATIONS ARE:

					CORR. COEFF.
R	=	.0079 X	+	.0063	.3003
P	=	.1917 X	+	.0072	.9591
SIGMA-R	=	.0028 X	+	.0022	.2984
SIGMA-L	=	.0699 X	+	.0022	.9528

(b) ISO/TC 102/SC 2/WG 19A XRF SPECTROMETRIC METHOD - 1984 K LOSS ON FUSION CORRECTED

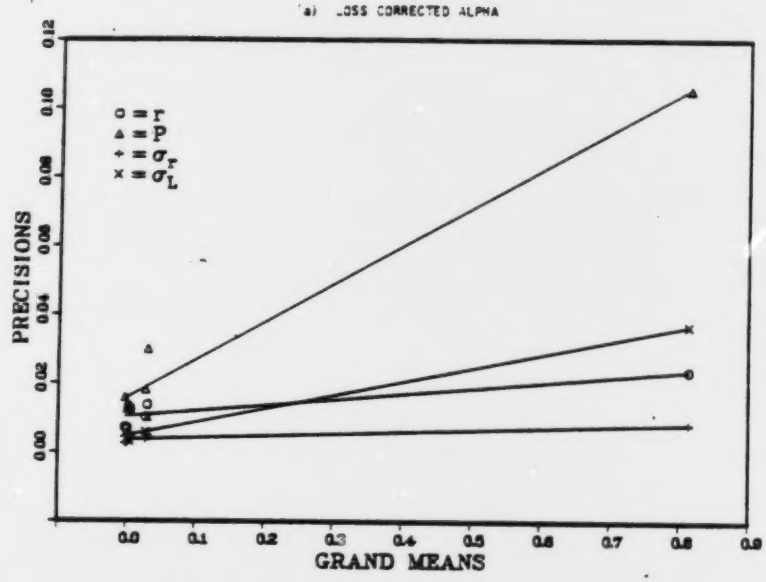
SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
K	77-8	21	19	84	76	.0023	.0057	.0108	.00202	.00352	1.74
K	79-4	21	18	84	71	.1218	.0070	.0328	.00247	.01146	4.64
K	79-13	21	18	84	72	.0120	.0051	.0097	.00180	.00318	1.77
K	83-1	21	14	84	56	.0149	.0072	.0080	.00256	.00216	.84
K	83-9	21	13	84	52	.0377	.0083	.0086	.00294	.00223	.76
K	83-16	21	19	84	76	.0017	.0062	.0092	.00218	.00284	1.30
K	83-17	21	20	84	78	.0332	.0069	.0140	.00243	.00463	1.89

THE REGRESSION EQUATIONS ARE:

					CORR. COEFF.
R	=	.0099 X	+	.0063	.3991
P	=	.1916 X	+	.0066	.9280
SIGMA-R	=	.0035 X	+	.0022	.3993
SIGMA-L	=	.0696 X	+	.0019	.9104

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 9

(b) LOSS ON FUSION CORRECTED

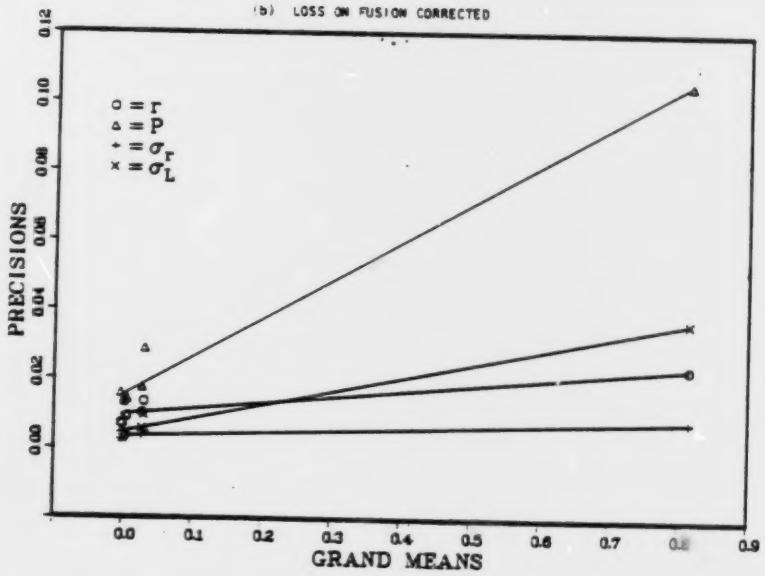


Figure 1. 5 - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 9

Table 1, S

(a) ISO/TC 102/SC 2/WG 19A XRF SPECTROMETRIC METHOD - 1984 S LOSS CORRECTED ALPHA

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY.	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
S	77-8	26	20	104	80	-.0026	.0072	.0158	.00259	.00530	2.08
S	79-4	26	24	104	96	.0303	.0137	.0299	.00484	.00999	2.06
S	79-13	26	23	104	92	.0019	.0132	.0134	.00467	.00338	.72
S	83-1	26	24	104	95	.0278	.0102	.0181	.00359	.00587	1.63
S	83-9	26	17	104	68	.0050	.0125	.0124	.00442	.00307	.69
S	83-16	26	21	104	84	.0008	.0068	.0125	.00241	.00407	1.69
S	83-17	26	23	104	92	.8146	.0237	.1054	.00838	.03678	4.39

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R	=	.0145 X	+	.0104	.8823
P	=	.1104 X	+	.0158	.9891
SIGMA-R	=	.0058 X	+	.0037	.8819
SIGMA-L	=	.0394 X	+	.0048	.9870

(b) ISO/TC 102/SC 2/WG 19A XRF SPECTROMETRIC METHOD - 1984 S LOSS ON FUSION CORRECTED

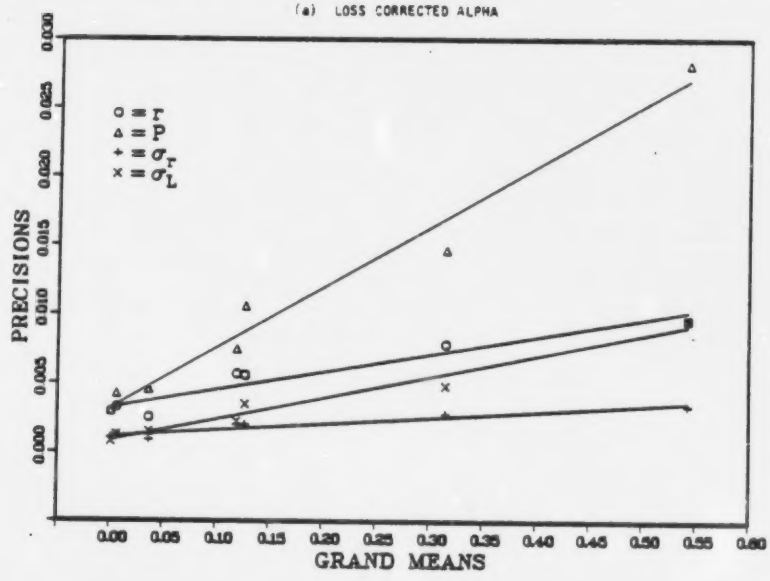
SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
S	77-8	26	20	104	80	-.0026	.0073	.0159	.00256	.00531	2.07
S	79-4	26	25	104	99	.0309	.0135	.0288	.00477	.00958	2.01
S	79-13	27	24	108	96	.0019	.0130	.0132	.00459	.00333	.73
S	83-1	27	25	108	99	.0282	.0100	.0174	.00354	.00560	1.58
S	83-9	26	22	104	88	.0059	.0093	.0143	.00327	.00448	1.37
S	83-16	26	20	104	80	.0001	.0069	.0090	.00245	.00268	1.09
S	83-17	26	23	104	92	.8153	.0236	.1053	.00833	.03675	4.41

THE REGRESSION EQUATIONS ARE: CORR. COEFF.,

R	=	.0171 X	+	.0098	.9062
P	=	.1110 X	+	.0152	.9892
SIGMA-R	=	.0060 X	+	.0035	.9066
SIGMA-L	=	.0394 X	+	.0047	.9884

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P

(b) LOSS ON FUSION CORRECTED

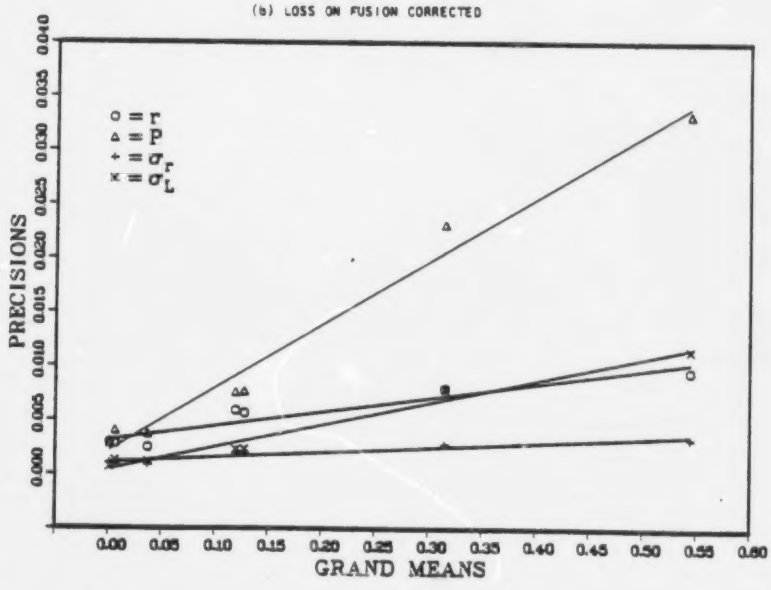


Figure 1. P - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P

Table 1. P

(a) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P LOSS CORRECTED ALPHA

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
P	77-8	26	23	104	92	.0063	.0033	.0042	.00115	.00124	1.08
P	79-4	26	22	104	88	.5428	.0097	.0282	.00341	.00966	2.83
P	79-13	26	21	104	84	.1271	.0056	.0106	.00196	.00346	1.76
P	83-1	26	21	104	83	.0367	.0025	.0049	.00088	.00147	1.66
P	83-9	26	20	104	80	.1191	.0057	.0074	.00200	.00221	1.11
P	83-16	26	23	104	92	.0011	.0029	.0030	.00104	.00074	.72
P	83-17	26	20	104	80	.3152	.0078	.0147	.00277	.00480	1.73

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R	=	.0129 X	+	.0032	.9595
P	=	.0440 X	+	.0031	.9875
SIGMA-R	=	.0046 X	+	.0011	.9592
SIGMA-L	=	.0154 X	+	.0008	.9846

(b) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P LOSS ON FUSION CORRECTED

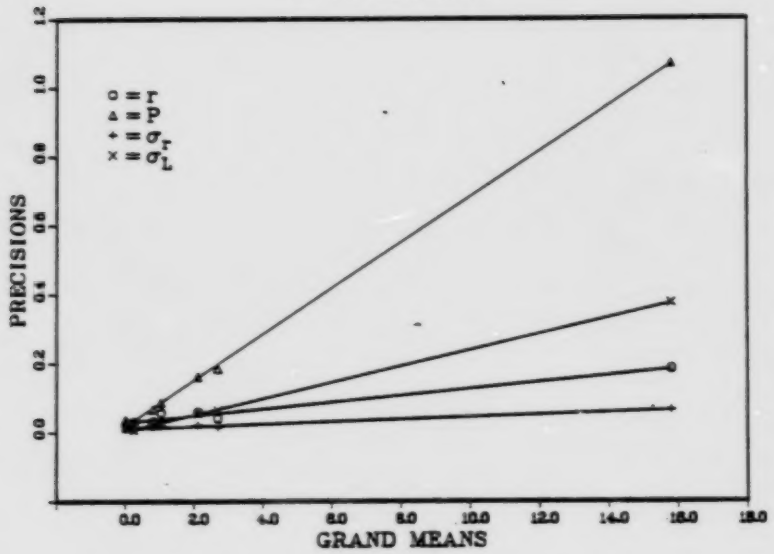
SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
P	77-8	26	22	104	88	.0062	.0028	.0041	.00100	.00125	1.25
P	79-4	26	22	104	88	.5446	.0096	.0333	.00338	.01152	3.41
P	79-13	26	20	104	80	.1277	.0057	.0077	.00201	.00233	1.16
P	83-1	26	21	104	83	.0369	.0025	.0037	.00088	.00116	1.33
P	83-9	26	20	104	80	.1194	.0059	.0076	.00210	.00225	1.07
P	83-16	26	23	104	92	.0010	.0030	.0029	.00104	.00069	.66
P	83-17	26	22	104	88	.3152	.0080	.0232	.00282	.00794	2.81

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R	=	.0131 X	+	.0032	.9458
P	=	.0584 X	+	.0022	.9903
SIGMA-R	=	.0046 X	+	.0011	.9461
SIGMA-L	=	.0207 X	+	.0005	.9879

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

(b) LOSS ON FUSION CORRECTED

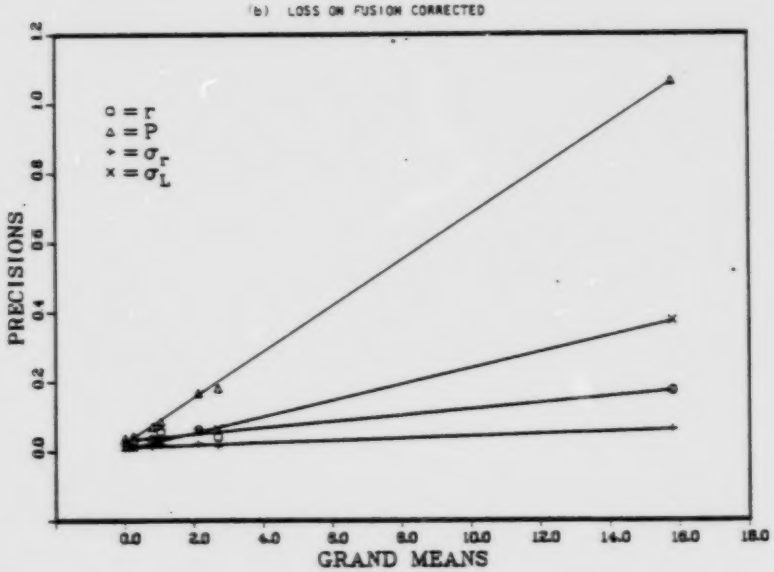


Figure 1 SI - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

Table 1. SI

(a) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI LOSS CORRECTED A.F.

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
SI	77-8	26	22	104	88	15.8092	.1834	1.0690	.06482	.37495	5.78
SI	79-4	26	23	104	92	2.1170	.0592	.1617	.02092	.05517	2.64
SI	79-13	26	20	104	79	.2551	.0301	.0288	.01065	.00684	.64
SI	83-1	26	20	104	79	2.6988	.0414	.1839	.01462	.06416	4.39
SI	83-9	26	24	104	96	1.0406	.0569	.0874	.02011	.02742	1.36
SI	83-16	26	20	104	80	.0102	.0234	.0377	.00829	.01197	1.45
SI	83-17	26	20	104	79	.7963	.0318	.0678	.01122	.02260	2.01

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R = .0097 X + .0293 .9821

P = .0663 X + .0184 .9996

SIGMA-R = .0034 X + .0103 .9821

SIGMA-L = .0234 X + .0045 .9996

(b) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI LOSS ON FUSION CORRECTED

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
SI	77-8	26	22	104	88	15.8042	.1729	1.0637	.06108	.37336	6.11
SI	79-4	26	23	104	92	2.1249	.0612	.1673	.02162	.05710	2.64
SI	79-13	26	23	104	91	.2540	.0323	.0448	.01143	.01361	1.19
SI	83-1	26	20	104	79	2.7004	.0406	.1809	.01436	.06310	4.40
SI	83-9	26	24	104	96	1.0416	.0361	.0862	.01982	.02703	1.36
SI	83-16	26	20	104	80	.0099	.0232	.0380	.00818	.01212	1.48
SI	83-17	26	21	104	83	.7992	.0350	.0714	.01236	.02369	1.91

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

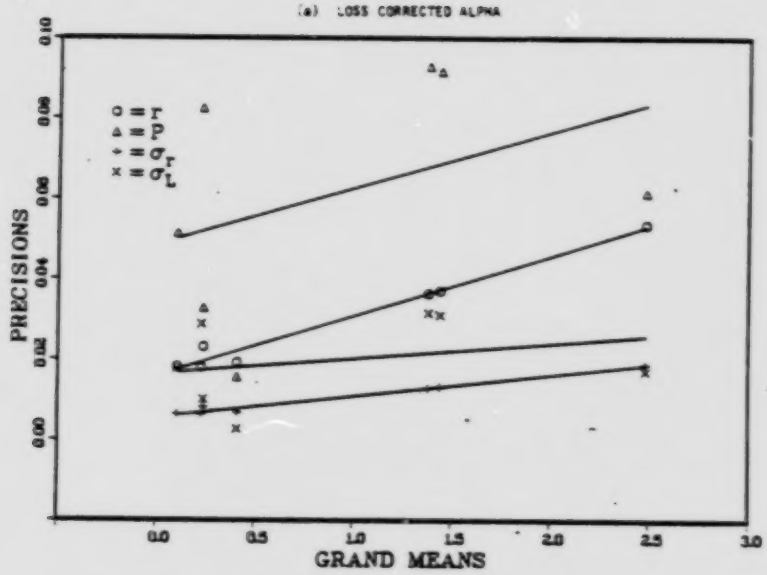
R = .0090 X + .0311 .9790

P = .0657 X + .0227 .9996

SIGMA-R = .0032 X + .0110 .9790

SIGMA-L = .0232 X + .0062 .9996

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 Al

(b) LOSS ON FUSION CORRECTED

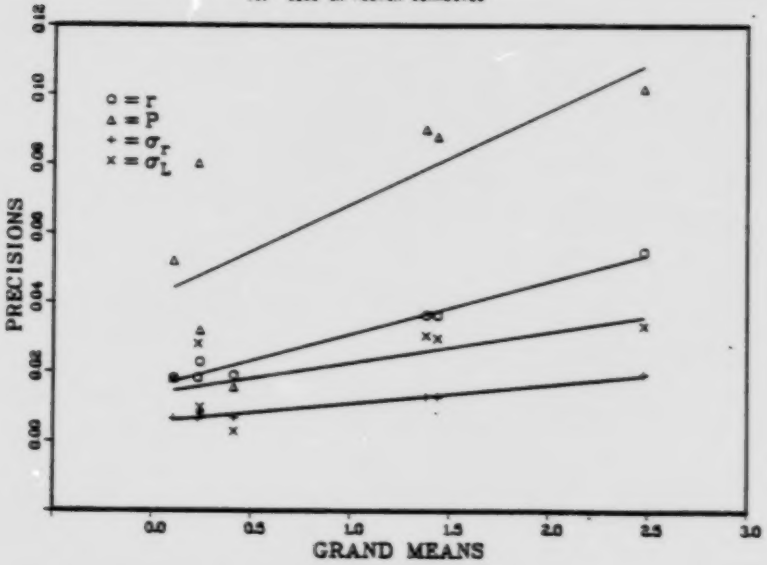


Figure 1. Al - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 Al

Table 1, Al

(a) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL LOSS CORRECTED ALPHA

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
AL	77-8	26	22	104	87	.2399	.0231	.0327	.00815	.01002	1.23
AL	79-4	26	20	104	80	2.4833	.0534	.0614	.01897	.01709	.91
AL	79-13	26	23	104	91	.2299	.0179	.0823	.00634	.02874	4.54
AL	83-1	26	24	104	95	1.3806	.0364	.0929	.01285	.03155	2.45
AL	83-9	26	24	104	96	1.4400	.0371	.0916	.01310	.03102	2.37
AL	83-16	26	24	104	96	.1067	.0181	.0513	.00640	.01795	2.74
AL	83-17	26	18	104	71	.4108	.0192	.0155	.00677	.00269	.40

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R	=	.0149 X	+	.0159	.9890
P	=	.0140 X	+	.0486	.4165
SIGMA-R	=	.0053 X	+	.0056	.9890
SIGMA-L	=	.0038 X	+	.0164	.3022

(b) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL LOSS ON FUSION CORRECTED

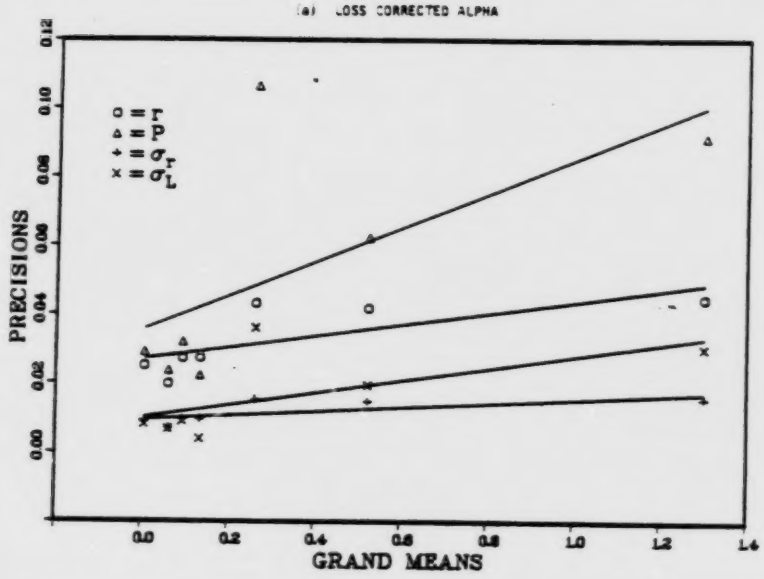
SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
AL	77-8	26	22	104	87	.2398	.0228	.0318	.00805	.00971	1.21
AL	79-4	26	22	104	88	2.4805	.0548	.1018	.01995	.03826	1.72
AL	79-13	26	23	104	91	.2299	.0182	.0801	.00642	.02793	4.35
AL	83-1	26	24	104	95	1.3824	.0364	.0899	.01286	.03045	2.37
AL	83-9	26	24	104	96	1.4412	.0383	.0878	.01284	.02966	2.31
AL	83-16	26	24	104	96	.1064	.0180	.0519	.00636	.01779	2.80
AL	83-17	26	18	104	71	.4113	.0189	.0155	.00667	.00276	.41

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R	=	.0153 X	+	.0159	.9885
P	=	.0270 X	+	.0413	.7346
SIGMA-R	=	.0054 X	+	.0059	.9885
SIGMA-L	=	.0090 X	+	.0136	.6812

(a) LOSS CORRECTED ALPHA



ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG

(b) LOSS ON FUSION CORRECTED

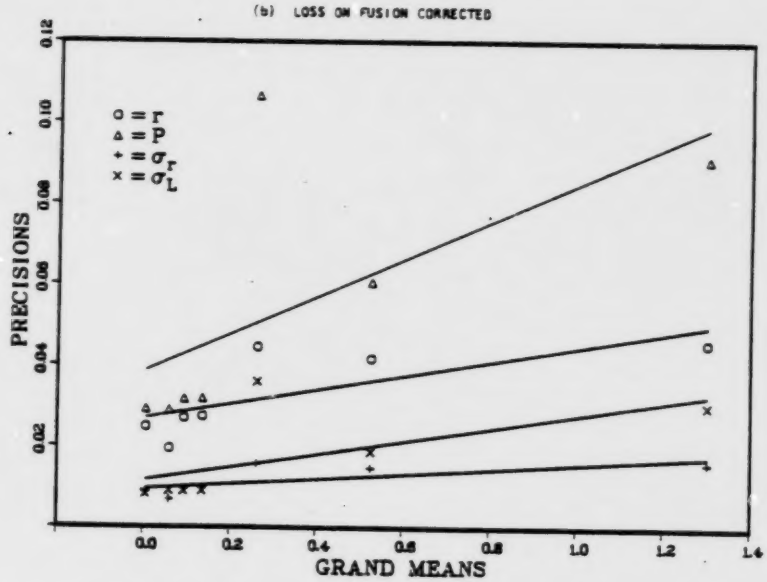


Figure 1. Mg - ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG

Table 1. Mg

(a) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG LOSS CORRECTED ALPHA

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
MG	77-8	25	22	100	88	.0057	.0251	.0290	.00885	.00811	.92
MG	79-4	25	22	100	88	.5233	.0410	.0624	.01475	.01941	1.32
MG	79-13	25	20	100	80	.0936	.0272	.0320	.00961	.00902	.94
MG	83-1	25	19	100	75	.0611	.0198	.0236	.00699	.00673	.96
MG	83-9	25	22	100	88	1.3019	.0447	.0915	.01579	.03033	1.92
MG	83-16	25	19	100	76	.1341	.0273	.0222	.00966	.00388	.40
MG	83-17	25	23	100	92	.2612	.0433	.1065	.01528	.03604	2.36

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R = .0167 X + .0270 .7507

P = .0495 X + .0356 .6516

SIGMA-R = .0059 X + .0096 .7506

SIGMA-L = .0177 X + .0102 .6402

(b) ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG LOSS ON FUSION CORRECTED

SUMMARY OF PRECISIONS FOR ALL SAMPLES

ELEMENT	SAMPLE	KO	K	NO	N	MEAN(X)	REPEATABILITY	PERMISSIBLE TOLERANCE	SIGMA-R	SIGMA-L	SIGMA-L/SIGMA-R
MG	77-8	25	22	100	88	.0057	.0248	.0291	.00876	.00821	.94
MG	79-4	25	22	100	88	.5263	.0417	.0606	.01474	.01871	1.27
MG	79-13	25	20	100	80	.0936	.0270	.0316	.00952	.00891	.94
MG	83-1	25	20	100	79	.0599	.0194	.0289	.00686	.00898	1.31
MG	83-9	25	21	100	84	1.3019	.0456	.0911	.01611	.03010	1.87
MG	83-16	25	20	100	80	.1360	.0274	.0318	.00968	.00890	.92
MG	83-17	25	23	100	92	.2622	.0445	.1065	.01573	.03597	2.29

THE REGRESSION EQUATIONS ARE: CORR. COEFF.

R = .0175 X + .0269 .7490

P = .0463 X + .0385 .6475

SIGMA-R = .0062 X + .0095 .7490

SIGMA-L = .0161 X + .0116 .6361

ISO/TC 102/SC 2/WG 15A

Tables 1

Tabular presentation of the analytical data,
Laboratory mean and variance

Figures 1

Graphical presentation of the analytical data

- Circled points are outliers identified by Cochran's test
- Arrow points are outliers identified by Dixon's test

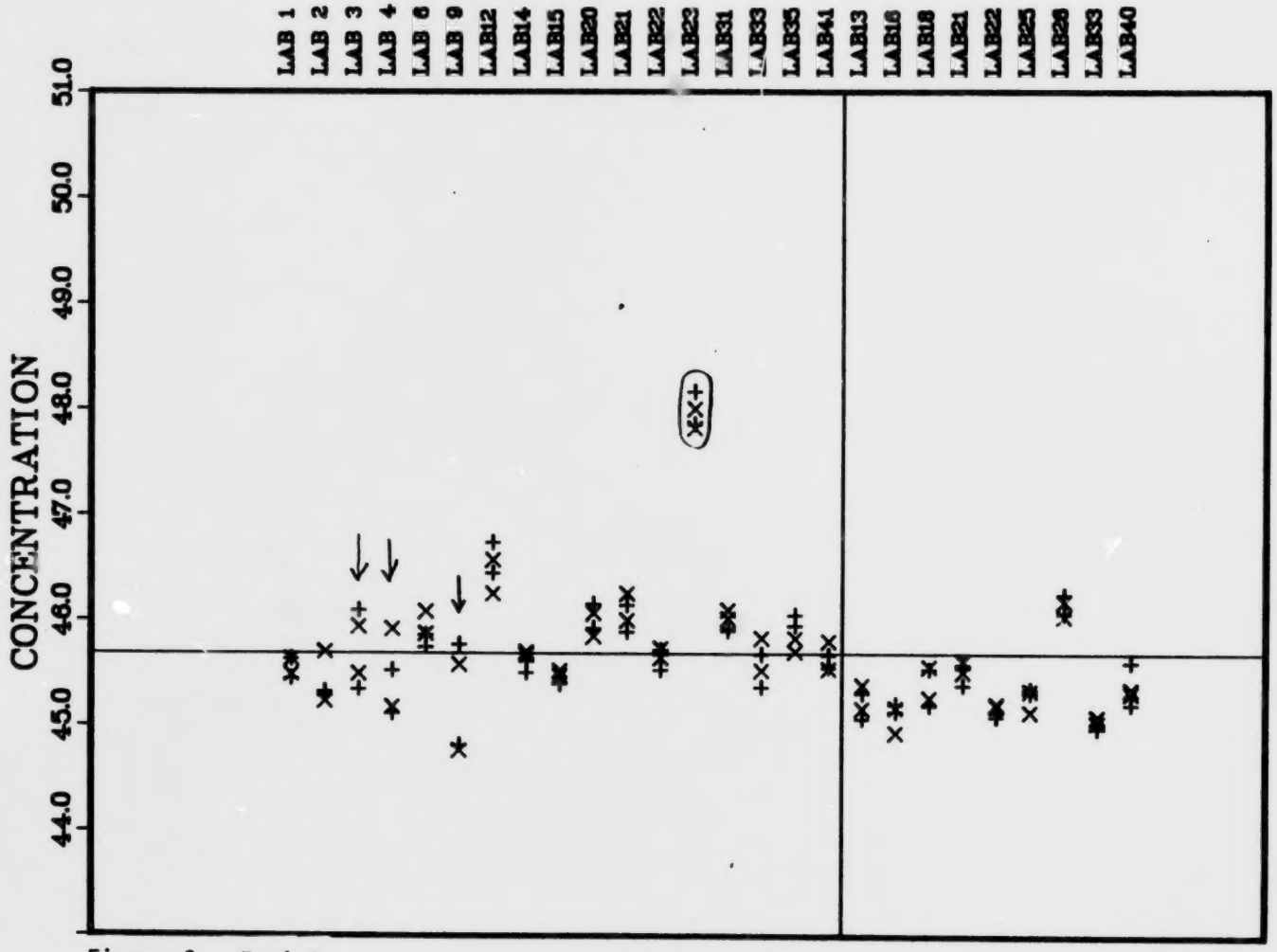


Figure 2. Fe 1.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE: 77–8 LOSS CORRECTED ALPHA

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	45.4850	45.6290	45.54825	.9512E-02
		2	45.4450	45.6340		
2	LAB 2	1	45.2310	45.6990	45.38400	.4549E-01
		2	45.2840	45.3220		
3	LAB 3	1	45.9360	45.4920	45.71600	.1261E+00
		2	46.0920	45.3440		
4	LAB 4	1	45.1780	45.9150	45.43275	.1355E+00
		2	45.1150	45.5230		
5	LAB 6	1	46.0790	45.8720	45.88875	.1934E-01
		2	45.7450	45.8590		
6	LAB 9	1	44.7670	45.5800	45.23300	.2669E+00
		2	44.8150	45.7700		
7	LAB12	1	46.5700	46.2490	46.49950	.4209E-01
		2	46.7350	46.4440		
8	LAB14	1	45.7000	45.6730	45.62225	.7570E-02
		2	45.6120	45.5040		
9	LAB15	1	45.5230	45.4770	45.45075	.3587E-02
		2	45.4020	45.4010		
10	LAB20	1	45.8470	46.0660	45.99750	.1882E-01
		2	45.9250	46.1520		
11	LAB21	1	46.0000	46.2510	46.07125	.2518E-01
		2	45.8900	46.1440		
12	LAB22	1	45.6480	45.7370	45.65950	.8726E-02
		2	45.5320	45.7210		
13	LAB23	1	48.0040	47.8210	47.96200	.2497E-01
		2	48.1670	47.8560		
14	LAB31	1	46.0970	46.0150	45.98425	.8089E-02
		2	45.9000	45.9250		
15	LAB33	1	45.8330	45.5270	45.60200	.3973E-01
		2	45.6790	45.3690		
16	LAB35	1	45.8290	45.7030	45.88350	.2265E-01
		2	45.9520	46.0500		
17	LAB41	1	45.8030	45.5400	45.64275	.1495E-01
		2	45.6730	45.5550		
18	LAB13	1	45.1620	45.3870	45.23175	.2096E-01
		2	45.0660	45.3120		
19	LAB16	1	44.9340	45.1710	45.11225	.1499E-01
		2	45.1360	45.2080		
20	LAB18	1	45.5630	45.2680	45.39125	.3524E-01
		2	45.5400	45.1940		
21	LAB21	1	45.5150	45.6150	45.52625	.1001E-01
		2	45.5850	45.3900		
22	LAB22	1	45.1950	45.2110	45.15825	.2993E-02
		2	45.1340	45.0930		
23	LAB25	1	45.1350	45.3380	45.28600	.1034E-01
		2	45.3180	45.3530		
24	LAB26	1	46.1820	46.0420	46.13425	.9387E-02
		2	46.2470	46.0660		
25	LAB33	1	45.0370	45.0910	45.03000	.2177E-02
		2	44.9810	45.0110		
26	LAB40	1	45.3520	45.3170	45.37150	.2883E-01
		2	45.6090	45.2080		

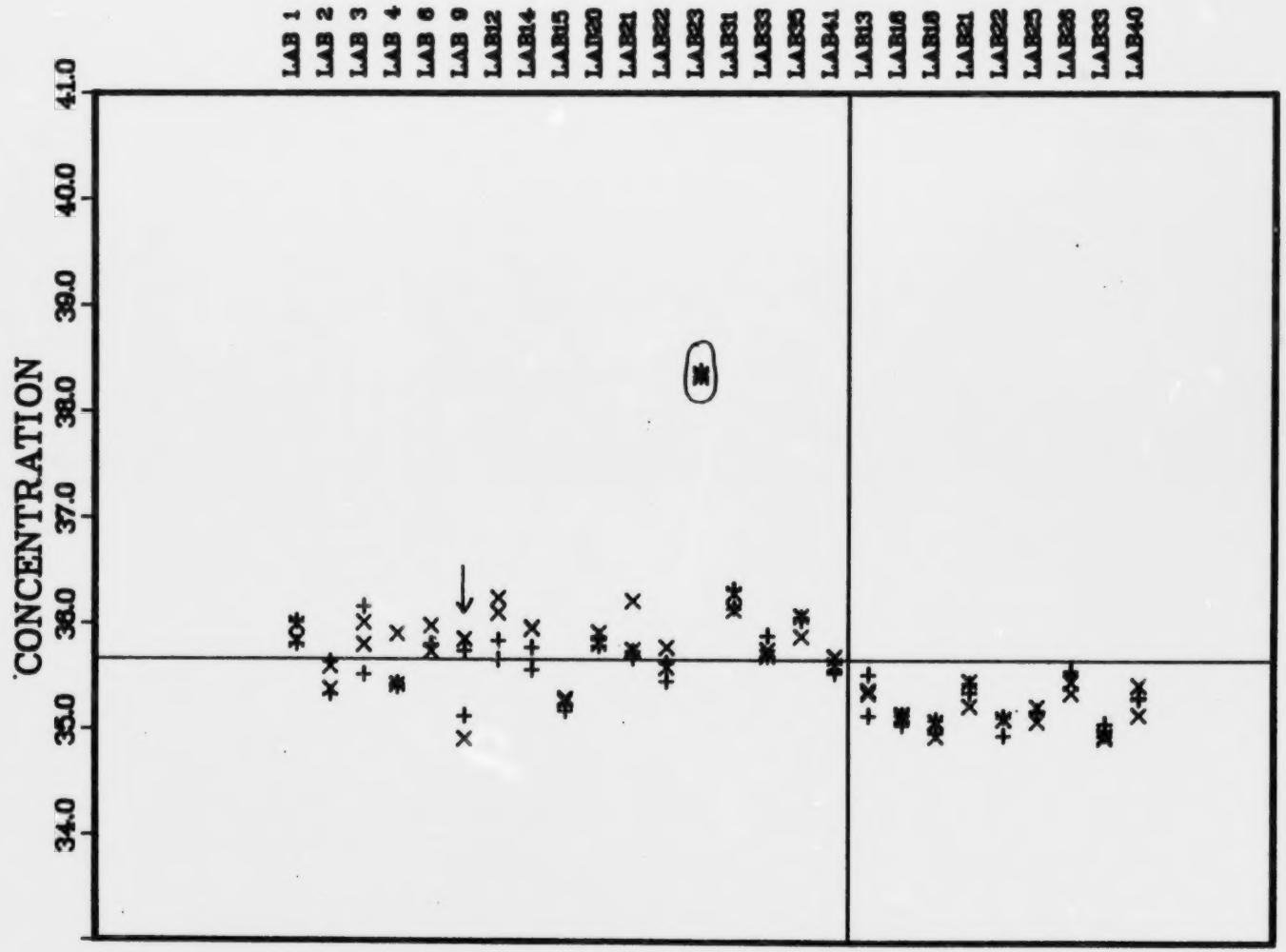


Figure 2. Fe 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE 79–4 LOSS CORRECTED ALPHA

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	35.8400	35.9920	35.91450	.1093E-01
		2	35.8100	36.0160		
2	LAB 2	1	35.3840	35.5990	35.49000	.2301E-01
		2	35.3370	35.6400		
3	LAB 3	1	36.0110	35.8040	35.87450	.7707E-01
		2	36.1620	35.5210		
4	LAB 4	1	35.4280	35.9060	35.54350	.5861E-01
		2	35.4030	35.4370		
5	LAB 6	1	35.7400	35.9810	35.83000	.1098E-01
		2	35.7900	35.8090		
6	LAB 9	1	34.9180	35.8560	35.41325	.2110E+00
		2	35.1310	35.7480		
7	LAB12	1	36.2440	36.1020	35.96225	.6804E-01
		2	35.8420	35.6610		
8	LAB14	1	35.9540	35.9630	35.81625	.3420E-01
		2	35.5700	35.7780		
9	LAB15	1	35.2720	35.2990	35.24950	.2598E-02
		2	35.1800	35.2470		
10	LAB20	1	35.9190	35.8160	35.85225	.3199E-02
		2	35.8780	35.7960		
11	LAB21	1	35.7580	36.2170	35.84975	.6110E-01
		2	35.6800	35.7440		
12	LAB22	1	35.5960	35.7840	35.62000	.1724E-01
		2	35.4650	35.6350		
13	LAB23	1	38.3620	38.3290	38.35450	.7577E-03
		2	38.3900	38.3370		
14	LAB31	1	36.2900	36.1340	36.22600	.9480E-02
		2	36.1520	36.3280		
15	LAB33	1	35.7020	35.7610	35.76425	.8413E-02
		2	35.8950	35.6990		
16	LAB35	1	35.8880	36.0800	36.01950	.7920E-02
		2	36.0430	36.0670		
17	LAB41	1	35.6210	35.6980	35.61075	.4398E-02
		2	35.5430	35.5810		
18	LAB13	1	35.3520	35.3840	35.35275	.2596E-01
		2	35.5330	35.1420		
19	LAB16	1	35.1340	35.1580	35.12525	.2238E-02
		2	35.0560	35.1530		
20	LAB18	1	35.0900	34.9530	35.03400	.5858E-02
		2	35.1080	34.9850		
21	LAB21	1	35.4720	35.2390	35.38325	.1131E-01
		2	35.4540	35.3680		
22	LAB22	1	35.1150	35.1180	35.08325	.6756E-02
		2	34.9610	35.1390		
23	LAB25	1	35.0940	35.2330	35.17900	.3542E-02
		2	35.1960	35.1930		
24	LAB26	1	35.3650	35.4670	35.48550	.8415E-02
		2	35.5740	35.5360		
25	LAB33	1	34.9400	34.9660	34.98700	.3671E-02
		2	35.0760	34.9660		
26	LAB40	1	35.4380	35.1580	35.30875	.1327E-01
		2	35.3110	35.3280		

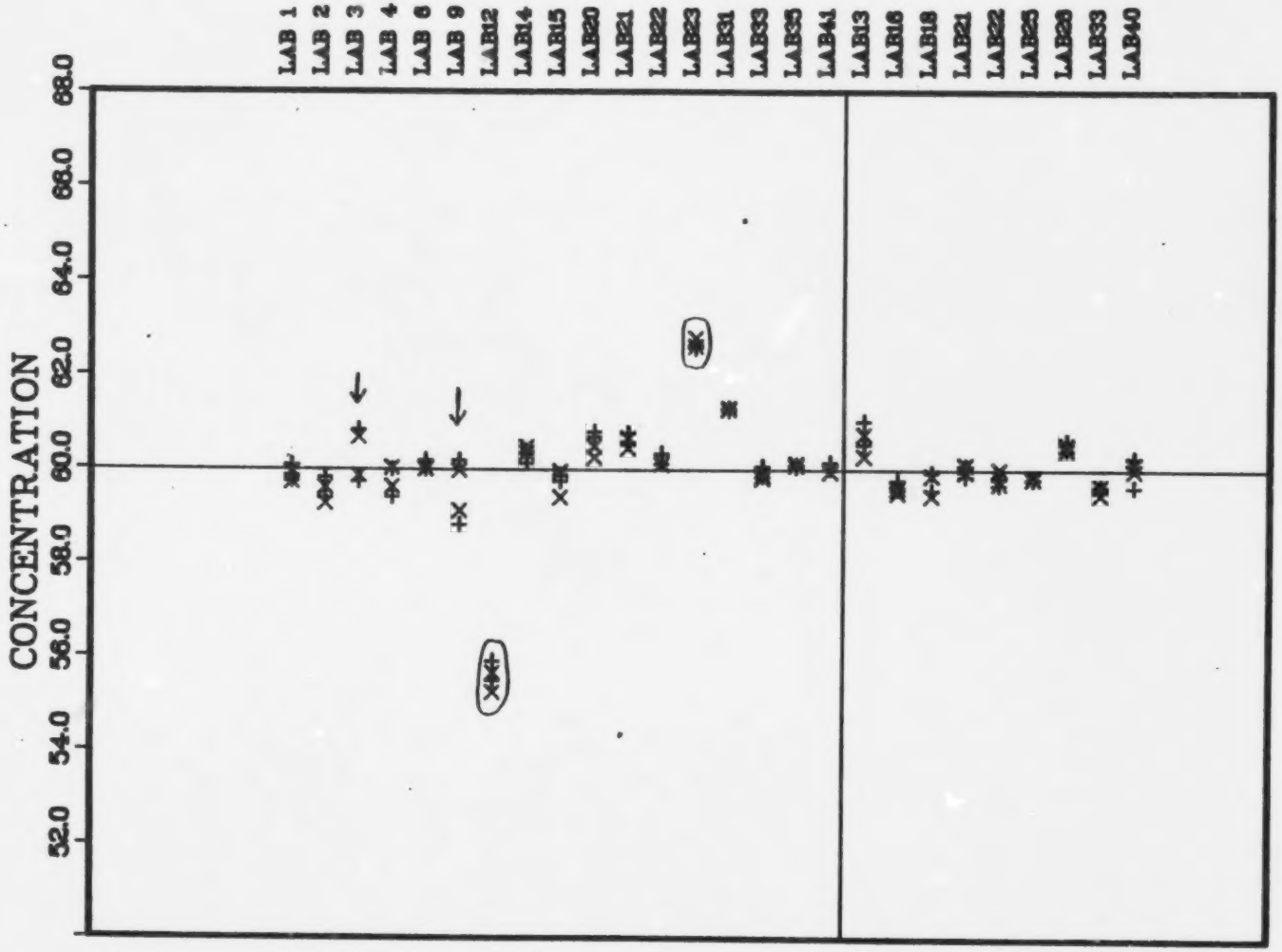


Figure 2. Fe 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE: 79–13 LOSS CORRECTED ALPHA

Table 2. Fe 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	59.7210	59.9480	59.87150	.2934E-01
		2	59.7400	60.0770		
2	LAB 2	1	59.2690	59.6090	59.52025	.6107E-01
		2	59.3790	59.8240		
3	LAB 3	1	60.6780	59.8590	60.27625	.3172E+00
		2	60.8390	59.7290		
4	LAB 4	1	59.6240	60.0290	59.76225	.9007E-01
		2	59.4050	59.9910		
5	LAB 6	1	59.9940	60.0080	60.04525	.9112E-02
		2	60.1880	59.9910		
6	LAB 9	1	59.1180	59.9730	59.52550	.4347E+00
		2	58.8210	60.1900		
7	LAB12	1	55.6770	55.2610	55.59625	.7804E-01
		2	55.9270	55.5200		
8	LAB14	1	60.3520	60.4750	60.32925	.2050E-01
		2	60.3580	60.1320		
9	LAB15	1	59.4080	59.9580	59.75225	.5994E-01
		2	59.7530	59.8900		
10	LAB20	1	60.2540	60.4880	60.55825	.5793E-01
		2	60.6900	60.8010		
11	LAB21	1	60.4470	60.6620	60.60275	.1962E-01
		2	60.5360	60.7660		
12	LAB22	1	60.1180	60.1130	60.17500	.1229E-01
		2	60.3410	60.1280		
13	LAB23	1	62.7870	62.6100	62.64725	.8804E-02
		2	62.6070	62.5850		
14	LAB31	1	61.2760	61.3060	61.28575	.6909E-03
		2	61.2530	61.3080		
15	LAB33	1	59.8150	59.8750	59.90300	.1301E-01
		2	60.0700	59.8520		
16	LAB35	1	60.1280	60.0840	60.09250	.8883E-03
		2	60.1010	60.0570		
17	LAB41	1	59.9520	59.9580	60.01950	.9009E-02
		2	60.1560	60.0120		
18	LAB13	1	60.7480	60.2780	60.64850	.1016E+00
		2	61.0300	60.5380		
19	LAB16	1	59.5040	59.6080	59.61600	.1275E-01
		2	59.5800	59.7720		
20	LAB18	1	59.8710	59.4430	59.70300	.5742E-01
		2	59.9390	59.5590		
21	LAB21	1	60.1060	59.9450	59.99600	.1453E-01
		2	60.0830	59.8500		
22	LAB22	1	59.7060	60.0020	59.80000	.2166E-01
		2	59.6770	59.8150		
23	LAB25	1	59.8060	59.8100	59.80200	.1173E-03
		2	59.7860	59.8060		
24	LAB26	1	60.4200	60.5320	60.49725	.9293E-02
		2	60.6180	60.4190		
25	LAB33	1	59.6580	59.4690	59.58975	.7555E-02
		2	59.5840	59.6480		
26	LAB40	1	60.1330	59.9810	59.99950	.7274E-01
		2	60.2530	59.6310		

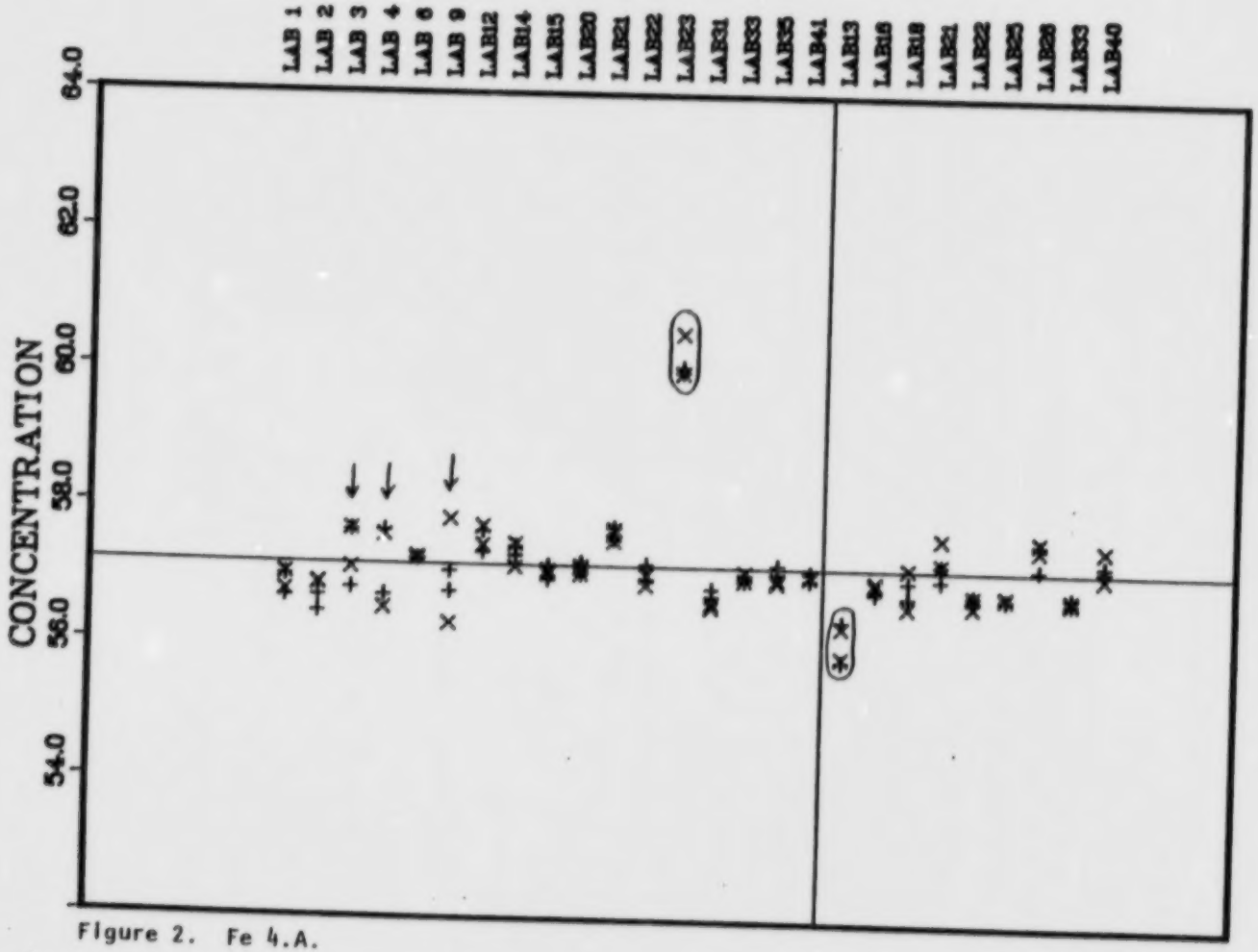


Figure 2. Fe 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE 63-1 LOSS CORRECTED ALPHA

Table 2. Fe 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 83-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	56.7560	57.0090	56.85375	.2758E-01
		2	56.6710	56.9790		
2	LAB 2	1	56.8610	56.8740	56.72050	.3789E-01
		2	56.4570	56.6900		
3	LAB 3	1	57.6680	57.1040	57.30700	.1795E+00
		2	57.6490	56.8070		
4	LAB 4	1	56.5170	57.5840	57.11375	.3430E+00
		2	56.7060	57.6480		
5	LAB 6	1	57.2650	57.2430	57.24750	.1377E-03
		2	57.2400	57.2420		
6	LAB 9	1	56.3040	57.8230	56.98875	.4070E+00
		2	56.7640	57.0640		
7	LAB12	1	57.7250	57.4490	57.54300	.3109E-01
		2	57.6530	57.3450		
8	LAB14	1	57.4730	57.1330	57.33800	.2363E-01
		2	57.4370	57.3090		
9	LAB15	1	57.0430	57.0950	57.06150	.7060E-02
		2	57.1530	56.9550		
10	LAB20	1	57.1580	57.0420	57.11300	.6951E-02
		2	57.0440	57.2080		
11	LAB21	1	57.5260	57.6950	57.62200	.1064E-01
		2	57.5410	57.7260		
12	LAB22	1	56.8950	57.0390	57.02575	.1665E-01
		2	56.9710	57.1980		
13	LAB23	1	60.5440	59.9760	60.14225	.7315E-01
		2	59.9880	60.0610		
14	LAB31	1	56.6410	56.5840	56.70650	.1438E-01
		2	56.7450	56.8560		
15	LAB33	1	56.9840	57.0990	57.02725	.3388E-02
		2	56.9760	57.0500		
16	LAB35	1	56.9540	57.0020	57.05825	.1238E-01
		2	57.2100	57.0670		
17	LAB41	1	57.0440	57.0630	57.05375	.1933E-02
		2	57.1070	57.0010		
18	LAB13	1	56.3170	55.8800	56.10450	.8622E-01
		2	56.3960	55.8250		
19	LAB16	1	56.9310	56.9730	56.89600	.4769E-02
		2	56.8190	56.8610		
20	LAB18	1	57.1860	56.6210	56.89125	.6177E-01
		2	56.9910	56.7670		
21	LAB21	1	57.6260	57.2570	57.28875	.6217E-01
		2	57.2480	57.0240		
22	LAB22	1	56.8050	56.6520	56.74725	.5843E-02
		2	56.8130	56.7190		
23	LAB25	1	56.8090	56.7890	56.78450	.3897E-03
		2	56.7620	56.7780		
24	LAB26	1	57.4890	57.6110	57.46625	.3284E-01
		2	57.5600	57.2050		
25	LAB33	1	56.7800	56.7410	56.76750	.1256E-02
		2	56.7370	56.8120		
26	LAB40	1	57.0960	57.5030	57.27450	.2924E-01
		2	57.2840	57.2150		

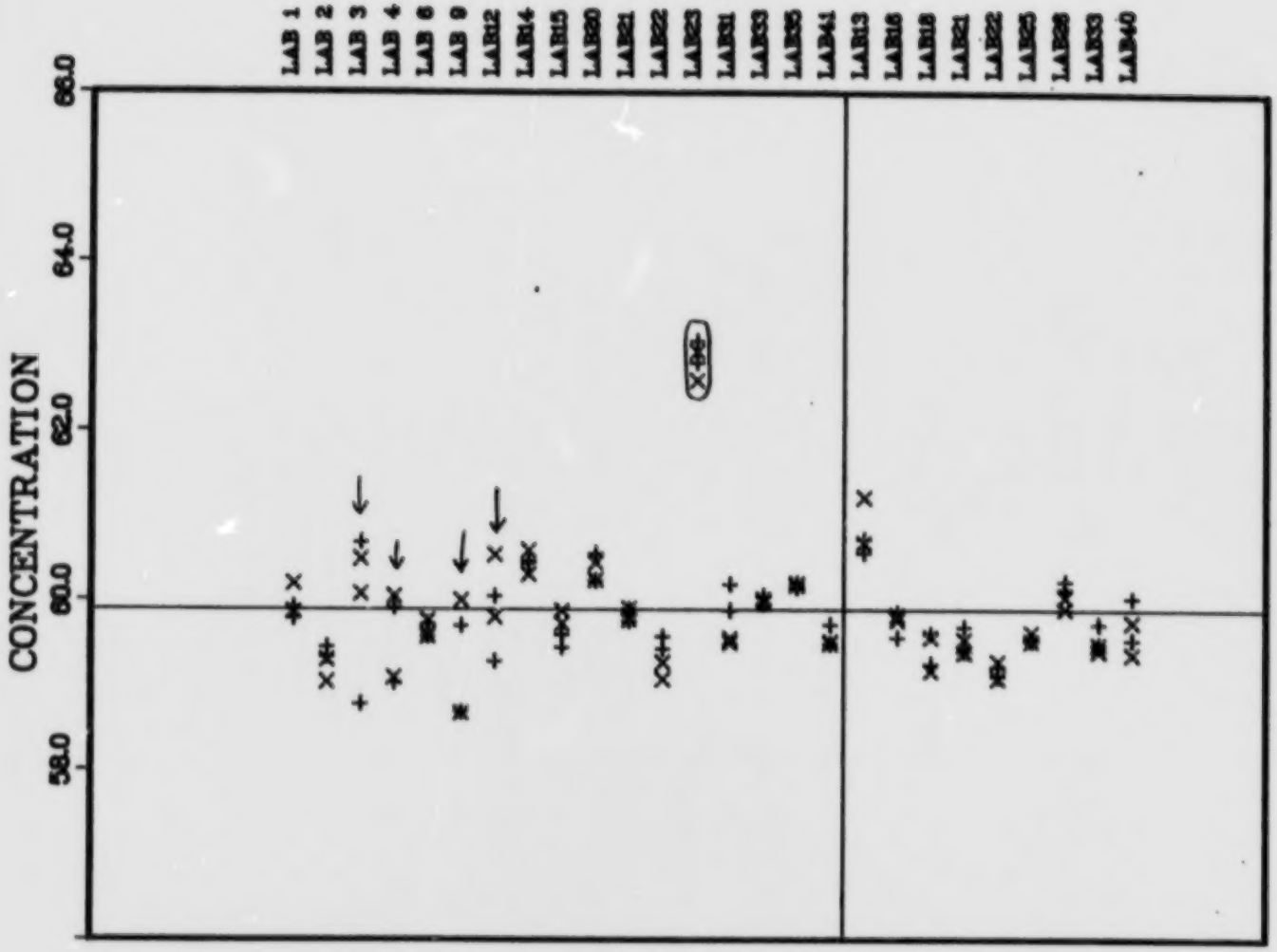


Figure 2. Fe 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE

SAMPLE: 83-9 LOSS CORRECTED ALPHA

Table 2. Fe S.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	59.8630	60.1950	59.94025	.3191E-01
		2	59.7840	59.9190		
2	LAB 2	1	59.0380	59.2980	59.28000	.3023E-01
		2	59.3340	59.4300		
3	LAB 3	1	60.4860	60.0730	60.00425	.7349E+00
		2	60.6820	58.7760		
4	LAB 4	1	59.0910	60.0430	59.51825	.2842E+00
		2	59.0280	59.9110		
5	LAB 6	1	59.5730	59.7580	59.65525	.9495E-02
		2	59.7190	59.5710		
6	LAB 9	1	58.6710	59.9980	59.26100	.4738E+00
		2	58.6780	59.6970		
7	LAB12	1	60.5350	59.7980	59.91375	.2730E+00
		2	60.0430	59.2790		
8	LAB14	1	60.5850	60.3020	60.44625	.1345E-01
		2	60.4370	60.4610		
9	LAB15	1	59.7210	59.8720	59.65700	.3355E-01
		2	59.4420	59.5930		
10	LAB20	1	60.4410	60.2350	60.36350	.2544E-01
		2	60.3510	60.2270		
11	LAB21	1	59.7670	59.9030	59.82925	.6440E-02
		2	59.7530	59.8940		
12	LAB22	1	59.0690	59.2670	59.33400	.4683E-01
		2	59.4270	59.5730		
13	LAB23	1	62.9330	62.5900	62.84500	.3991E-01
		2	63.0570	62.8000		
14	LAB31	1	59.5020	59.5530	59.78100	.1022E+00
		2	60.1900	59.8790		
15	LAB33	1	59.9700	60.0160	59.99925	.2105E-02
		2	59.9550	60.0560		
16	LAB35	1	60.2040	60.1820	60.18825	.5789E-03
		2	60.2100	60.1570		
17	LAB41	1	59.4950	59.5110	59.55250	.1182E-01
		2	59.7150	59.4890		
18	LAB13	1	61.2150	60.6840	60.79700	.8243E-01
		2	60.5630	60.7260		
19	LAB16	1	59.8290	59.7720	59.75700	.1777E-01
		2	59.8620	59.5650		
20	LAB18	1	59.5710	59.1720	59.40225	.4844E-01
		2	59.6090	59.2570		
21	LAB21	1	59.5410	59.3890	59.50575	.1998E-01
		2	59.6910	59.4020		
22	LAB22	1	59.2820	59.0830	59.17650	.8930E-02
		2	59.2290	59.1120		
23	LAB25	1	59.5220	59.6250	59.56150	.2298E-02
		2	59.5720	59.5270		
24	LAB26	1	60.0420	59.9010	60.07825	.1992E-01
		2	60.1390	60.2310		
25	LAB33	1	59.4070	59.4860	59.52650	.1893E-01
		2	59.4880	59.7250		
26	LAB40	1	59.7460	59.3670	59.67150	.8208E-01
		2	59.5400	60.0330		

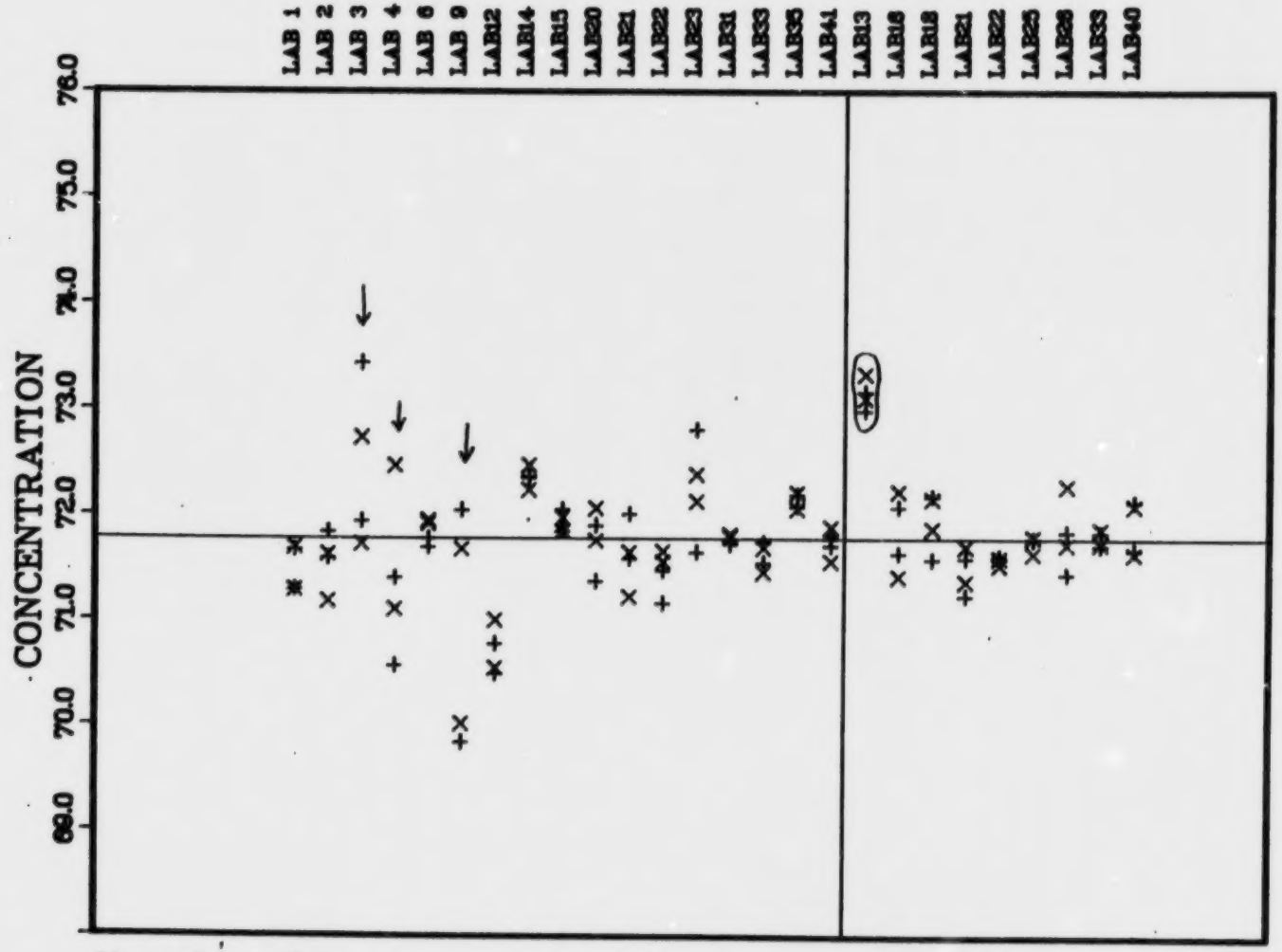


Figure 2. Fe 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE: 83-16 LOSS CORRECTED ALPHA

Table 2. Fe 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	71.2900	71.6940	71.48650	.5106E-01
		2	71.2920	71.6700		
2	LAB 2	1	71.1800	71.6290	71.56025	.7636E-01
		2	71.8410	71.5910		
3	LAB 3	1	72.7340	71.7250	72.45950	.6137E+00
		2	73.4380	71.9410		
4	LAB 4	1	71.1050	72.4660	71.38650	.6361E+00
		2	70.5720	71.4030		
5	LAB 6	1	71.9510	71.9190	71.83650	.1434E-01
		2	71.6950	71.7810		
6	LAB 9	1	70.0210	71.6780	70.89750	.1267E+01
		2	69.8460	72.0450		
7	LAB12	1	71.0030	70.5500	70.70675	.5413E-01
		2	70.7790	70.4950		
8	LAB14	1	72.2380	72.4720	72.35825	.9178E-02
		2	72.3540	72.3690		
9	LAB15	1	71.8480	71.9750	71.93200	.1025E-01
		2	71.8500	72.0550		
10	LAB20	1	71.7590	72.0660	71.77550	.8737E-01
		2	71.3740	71.9030		
11	LAB21	1	71.2250	71.6480	71.61800	.1036E+00
		2	71.5880	72.0110		
12	LAB22	1	71.6590	71.5590	71.46425	.4572E-01
		2	71.1640	71.4750		
13	LAB23	1	72.3870	72.1320	72.24550	.2358E+00
		2	72.8120	71.6510		
14	LAB31	1	71.8210	71.7980	71.76975	.2219E-02
		2	71.7240	71.7360		
15	LAB33	1	71.4620	71.6950	71.61325	.1693E-01
		2	71.5510	71.7450		
16	LAB35	1	72.2170	72.0610	72.13975	.6110E-02
		2	72.1960	72.0850		
17	LAB41	1	71.8890	71.5660	71.74700	.1966E-01
		2	71.8180	71.7150		
18	LAB13	1	73.1080	73.3370	73.15050	.2087E-01
		2	73.1670	72.9900		
19	LAB16	1	72.2260	71.4210	71.84125	.1401E+00
		2	72.0770	71.6410		
20	LAB18	1	72.1550	71.8760	71.94900	.7927E-01
		2	72.1810	71.5840		
21	LAB21	1	71.7050	71.3750	71.47800	.4464E-01
		2	71.2370	71.5950		
22	LAB22	1	71.6000	71.5300	71.58450	.1404E-02
		2	71.6150	71.5930		
23	LAB25	1	71.8000	71.6400	71.75000	.5469E-02
		2	71.7780	71.7820		
24	LAB26	1	72.2800	71.7270	71.82550	.1203E+00
		2	71.4460	71.8490		
25	LAB33	1	71.8730	71.7350	71.79200	.5929E-02
		2	71.7180	71.8420		
26	LAB40	1	72.0950	71.6390	71.88625	.6935E-01
		2	71.6790	72.1320		

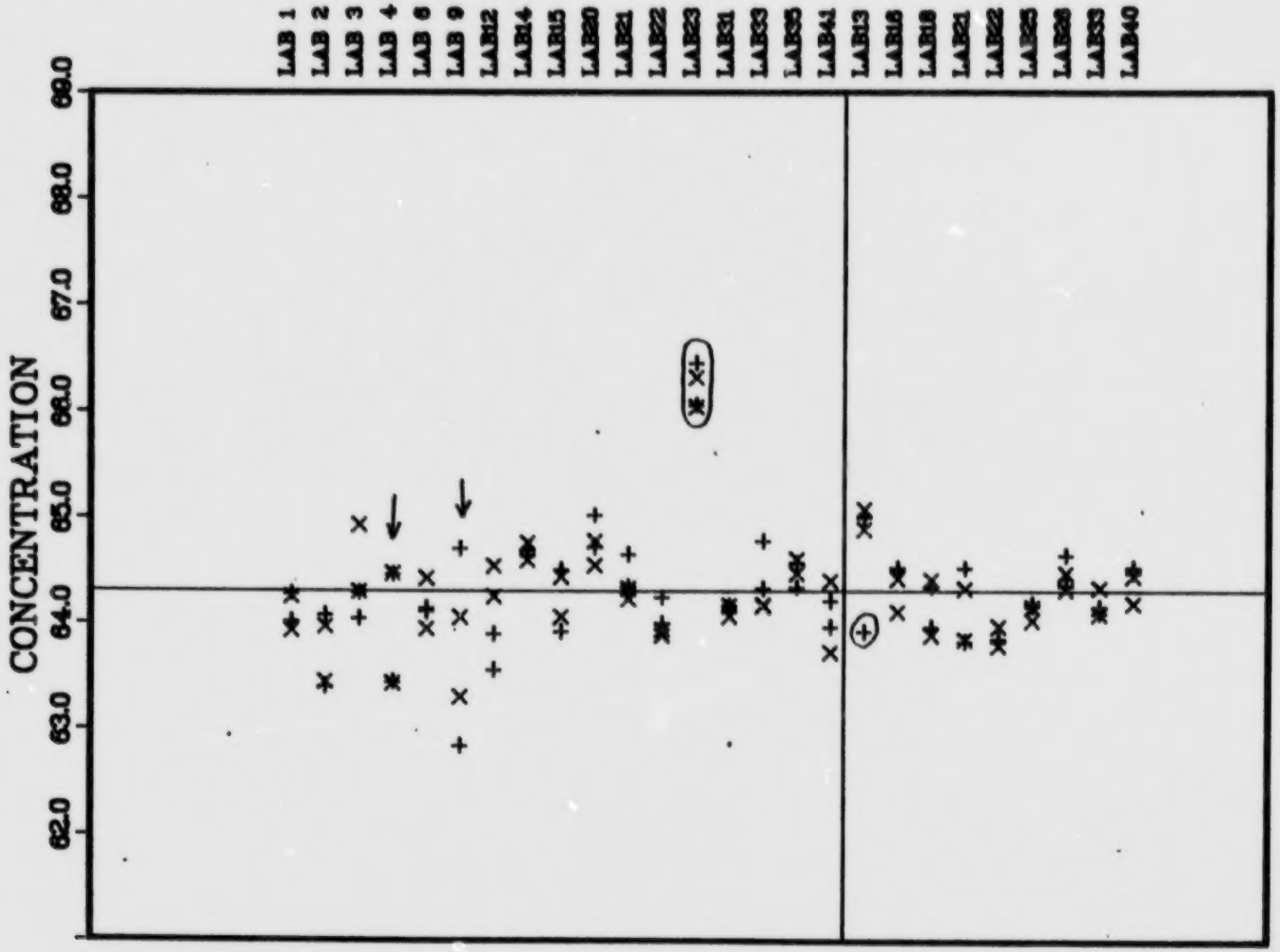


Figure 2. Fe 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE: 83-17 LOSS CORRECTED ALPHA

Table 2. Fe 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 83-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	63.9350	64.2550	64.12250	.2952E-01
		2	64.0190	64.2810		
2	LAB 2	1	63.4530	63.9730	63.72850	.1215E+00
		2	63.4060	64.0820		
3	LAB 3	1	64.9310	64.3010	64.39325	.1423E+00
		2	64.2930	64.0480		
4	LAB 4	1	63.4390	64.4760	63.95850	.3509E+00
		2	63.4520	64.4670		
5	LAB 6	1	64.4290	63.9520	64.16075	.3925E-01
		2	64.1460	64.1160		
6	LAB 9	1	63.3120	64.0600	63.73225	.6708E+00
		2	62.8500	64.7070		
7	LAB12	1	64.5450	64.2570	64.06800	.1807E+00
		2	63.9040	63.5660		
8	LAB14	1	64.7620	64.5990	64.67575	.4981E-02
		2	64.6990	64.6430		
9	LAB15	1	64.0660	64.4440	64.23600	.8036E-01
		2	63.9270	64.5070		
10	LAB20	1	64.5510	64.7810	64.76975	.3807E-01
		2	64.7240	65.0230		
11	LAB21	1	64.2330	64.3340	64.39300	.3299E-01
		2	64.6540	64.3510		
12	LAB22	1	63.8920	63.9460	64.02300	.2499E-01
		2	64.0040	64.2500		
13	LAB23	1	66.3180	66.0410	66.21700	.4093E-01
		2	66.4530	66.0560		
14	LAB31	1	64.1720	64.0690	64.13675	.2387E-02
		2	64.1730	64.1330		
15	LAB33	1	64.1780	64.1660	64.36425	.8261E-01
		2	64.3330	64.7800		
16	LAB35	1	64.6080	64.4740	64.49950	.1441E-01
		2	64.5750	64.3410		
17	LAB41	1	64.4030	63.7300	64.07850	.8568E-01
		2	64.2130	63.9680		
18	LAB13	1	64.8910	65.0780	64.72400	.2903E+00
		2	63.9240	65.0030		
19	LAB16	1	64.1080	64.4250	64.39050	.3734E-01
		2	64.5260	64.5030		
20	LAB18	1	64.4130	63.8900	64.15325	.6941E-01
		2	64.3440	63.9660		
21	LAB21	1	64.3290	63.8500	64.13350	.1209E+00
		2	64.5240	63.8310		
22	LAB22	1	63.7950	63.9740	63.86500	.5935E-02
		2	63.8570	63.8340		
23	LAB25	1	64.0310	64.1570	64.13675	.5171E-02
		2	64.1680	64.1910		
24	LAB26	1	64.4770	64.3200	64.45100	.2151E-01
		2	64.6470	64.3600		
25	LAB33	1	64.3380	64.0890	64.17175	.1326E-01
		2	64.1600	64.1000		
26	LAB40	1	64.4520	64.1910	64.41550	.2350E-01
		2	64.5330	64.4860		

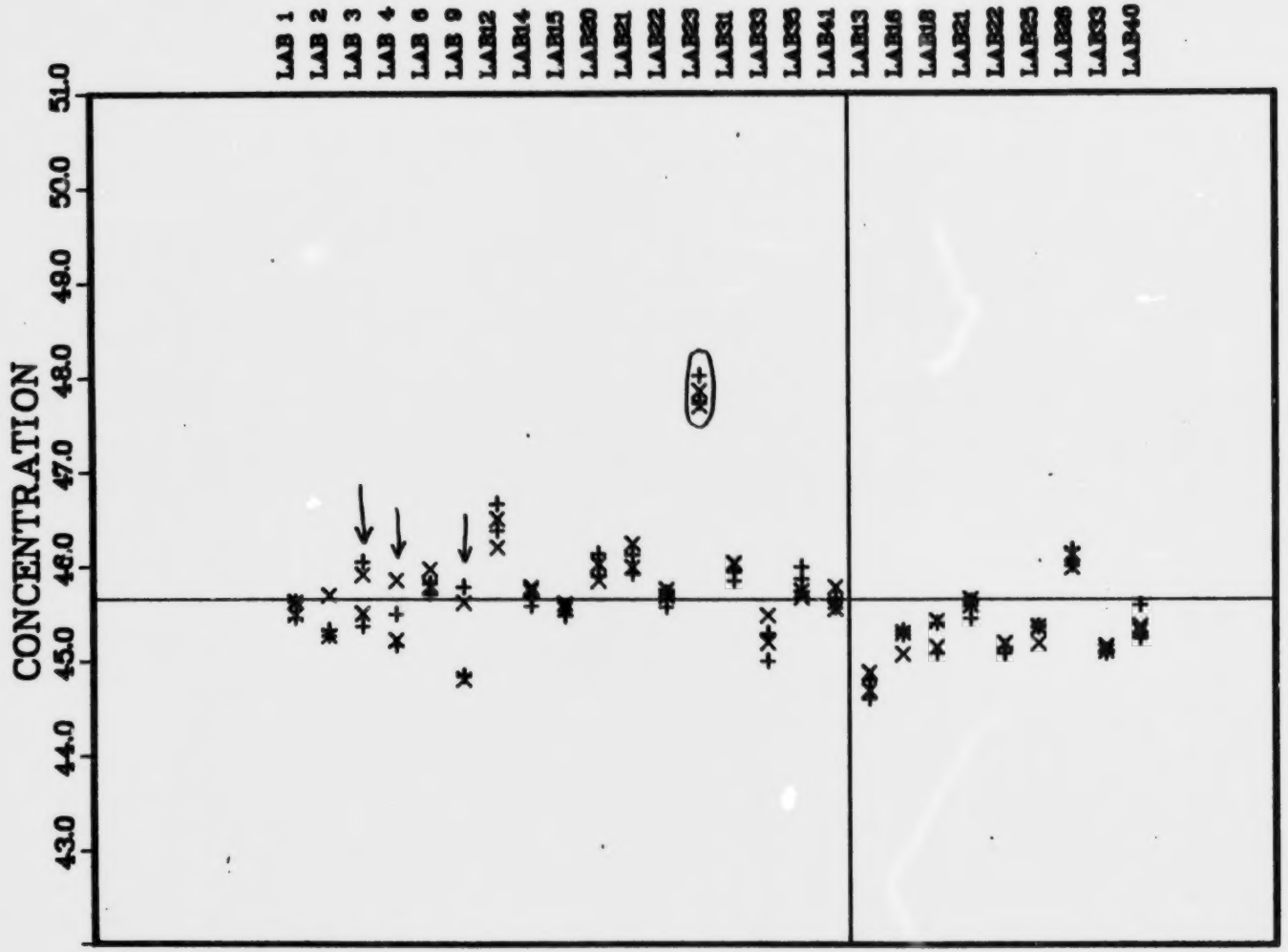


Figure 2. Fe 1.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE 77-C LOSS ON FUSION CORRECTED

Table 2. Fe 1.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 77-8 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	45.4920	45.6290	45.55250	.8318E-02
		2	45.4570	45.6320		
2	LAB 2	1	45.2720	45.6980	45.39350	.4197E-01
		2	45.2730	45.3310		
3	LAB 3	1	45.9180	45.5080	45.71325	.1062E+00
		2	46.0560	45.3710		
4	LAB 4	1	45.2260	45.8590	45.43825	.9920E-01
		2	45.1700	45.4980		
5	LAB 6	1	45.9750	45.7970	45.82725	.1194E-01
		2	45.7130	45.8240		
6	LAB 9	1	44.8150	45.6210	45.26775	.2592E+00
		2	44.8470	45.7880		
7	LAB12	1	46.5080	46.2070	46.44250	.3808E-01
		2	46.6690	46.3860		
8	LAB14	1	45.7810	45.7470	45.70225	.7185E-02
		2	45.6940	45.5870		
9	LAB15	1	45.6100	45.5550	45.53400	.3641E-02
		2	45.4850	45.4860		
10	LAB20	1	45.8550	46.0300	45.98225	.1649E-01
		2	45.9040	46.1400		
11	LAB21	1	45.9980	46.2480	46.07575	.2053E-01
		2	45.9250	46.1320		
12	LAB22	1	45.6910	45.7610	45.68900	.6595E-02
		2	45.5750	45.7290		
13	LAB23	1	47.8640	47.7060	47.83275	.2112E-01
		2	48.0250	47.7360		
14	LAB31	1	46.0440	46.0330	45.97000	.7845E-02
		2	45.8530	45.9500		
15	LAB33	1	45.4880	45.2040	45.25000	.3994E-01
		2	45.3000	45.0080		
16	LAB35	1	45.7510	45.6780	45.82825	.2079E-01
		2	45.8790	46.0050		
17	LAB41	1	45.7900	45.5590	45.64850	.1163E-01
		2	45.6750	45.5700		
18	LAB13	1	44.6970	44.8870	44.75100	.1506E-01
		2	44.6090	44.8110		
19	LAB16	1	45.0820	45.3070	45.25075	.1298E-01
		2	45.2850	45.3290		
20	LAB18	1	45.4300	45.1520	45.26775	.3035E-01
		2	45.4030	45.0860		
21	LAB21	1	45.5960	45.6610	45.58675	.8671E-02
		2	45.6370	45.4530		
22	LAB22	1	45.1920	45.1940	45.15475	.2572E-02
		2	45.1470	45.0860		
23	LAB25	1	45.1940	45.3670	45.32500	.7649E-02
		2	45.3640	45.3750		
24	LAB26	1	46.1380	45.9960	46.08350	.8316E-02
		2	46.1830	46.0170		
25	LAB33	1	45.1100	45.1630	45.11900	.9980E-03
		2	45.0880	45.1150		
26	LAB40	1	45.3740	45.3290	45.38550	.2265E-01
		2	45.5960	45.2430		

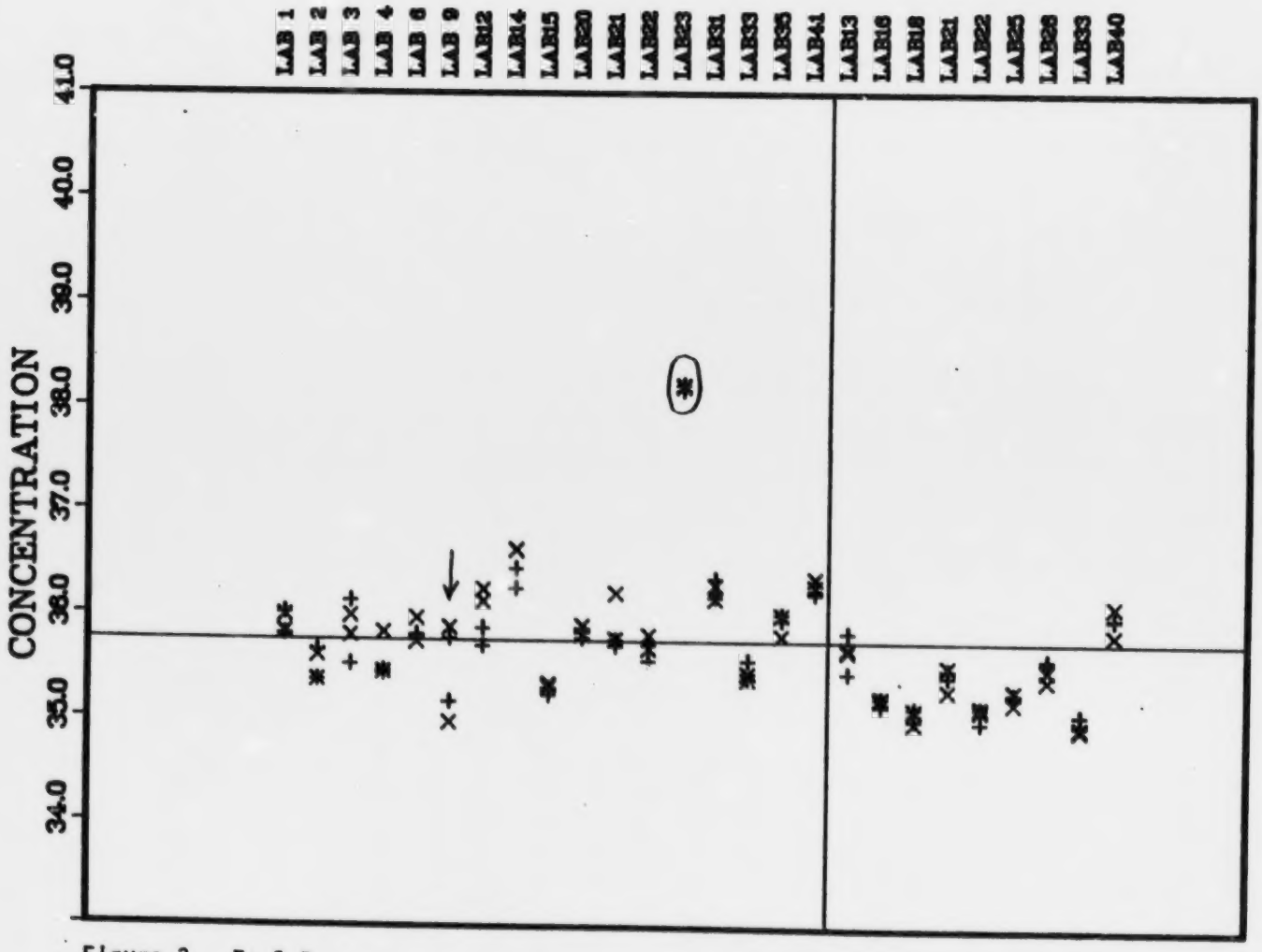


Figure 2. Fe 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE

SAMPLE: 79-4 LOSS ON FUSION CORRECTED

Table 2. Fe 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	35.8370	35.9950	35.91675	.1130E-01
		2	35.8140	36.0210		
2	LAB 2	1	35.3780	35.6130	35.50600	.2251E-01
		2	35.3760	35.6570		
3	LAB 3	1	35.9920	35.8050	35.86525	.6932E-01
		2	36.1370	35.5270		
4	LAB 4	1	35.4570	35.8340	35.55150	.3561E-01
		2	35.4430	35.4720		
5	LAB 6	1	35.7450	35.9690	35.82875	.9531E-02
		2	35.7880	35.8130		
6	LAB 9	1	34.9700	35.8840	35.44950	.2019E+00
		2	35.1670	35.7770		
7	LAB12	1	36.2490	36.1310	35.99125	.5986E-01
		2	35.8780	35.7070		
8	LAB14	1	36.6370	36.6300	36.49425	.3201E-01
		2	36.2590	36.4510		
9	LAB15	1	35.3190	35.3450	35.30150	.2217E-02
		2	35.2350	35.3070		
10	LAB20	1	35.9080	35.8170	35.84400	.2677E-02
		2	35.8610	35.7900		
11	LAB21	1	35.7820	36.2210	35.87150	.5527E-01
		2	35.7110	35.7720		
12	LAB22	1	35.6930	35.8200	35.70275	.1039E-01
		2	35.5730	35.7250		
13	LAB23	1	38.2120	38.1970	38.19800	.6353E-03
		2	38.2200	38.1630		
14	LAB31	1	36.3000	36.1720	36.25700	.8599E-02
		2	36.1890	36.3670		
15	LAB33	1	35.4000	35.4570	35.46175	.7062E-02
		2	35.5820	35.4080		
16	LAB35	1	35.8190	36.0170	35.95825	.9236E-02
		2	35.9700	36.0270		
17	LAB41	1	36.2940	36.3690	36.28450	.4136E-02
		2	36.2180	36.2570		
18	LAB13	1	35.6690	35.7000	35.67000	.2566E-01
		2	35.8500	35.4610		
19	LAB16	1	35.2050	35.2300	35.20225	.1481E-02
		2	35.1470	35.2270		
20	LAB18	1	35.1180	34.9890	35.06450	.5216E-02
		2	35.1340	35.0170		
21	LAB21	1	35.5320	35.3010	35.44425	.1069E-01
		2	35.5060	35.4380		
22	LAB22	1	35.1460	35.1200	35.10100	.5031E-02
		2	34.9960	35.1420		
23	LAB25	1	35.1840	35.3050	35.25950	.2754E-02
		2	35.2790	35.2700		
24	LAB26	1	35.4070	35.5040	35.52500	.8130E-02
		2	35.6080	35.5810		
25	LAB33	1	34.9320	34.9590	34.98650	.4063E-02
		2	35.0780	34.9770		
26	LAB40	1	36.1170	35.8400	35.99025	.1301E-01
		2	35.9940	36.0100		

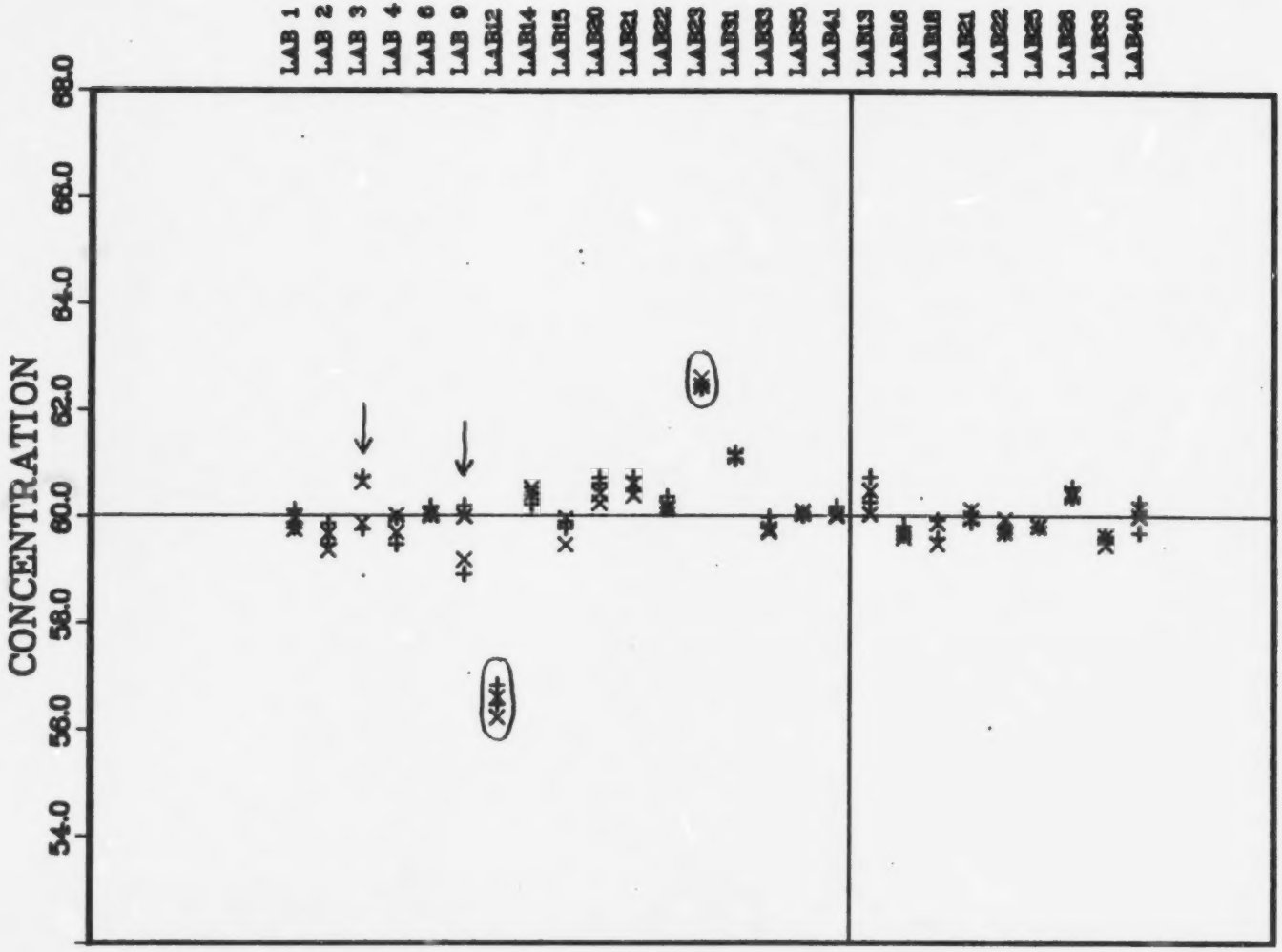


Figure 2. Fe 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE: 79–13 LOSS ON FUSION CORRECTED

Table 2. Fe 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	59.7560	59.9830	59.90975	.3047E-01
		2	59.7780	60.1220		
2	LAB 2	1	59.3620	59.6750	59.59450	.5030E-01
		2	59.4720	59.8690		
3	LAB 3	1	60.6450	59.8750	60.25400	.2537E+00
		2	60.7300	59.7660		
4	LAB 4	1	59.6950	60.0230	59.79050	.6519E-01
		2	59.4740	59.9700		
5	LAB 6	1	60.0230	60.0530	60.07525	.5700E-02
		2	60.1870	60.0380		
6	LAB 9	1	59.1880	60.0020	59.57575	.3896E+00
		2	58.9100	60.2030		
7	LAB12	1	56.6100	56.2290	56.53650	.6514E-01
		2	56.8380	56.4690		
8	LAB14	1	60.4310	60.5350	60.40775	.1691E-01
		2	60.4390	60.2260		
9	LAB15	1	59.4700	59.9660	59.78150	.4911E-01
		2	59.7810	59.9090		
10	LAB20	1	60.2530	60.4290	60.50825	.4466E-01
		2	60.6180	60.7330		
11	LAB21	1	60.4010	60.6260	60.55925	.2198E-01
		2	60.4780	60.7320		
12	LAB22	1	60.1830	60.1520	60.21750	.1120E-01
		2	60.3750	60.1600		
13	LAB23	1	62.5970	62.4470	62.48075	.6560E-02
		2	62.4680	62.4110		
14	LAB31	1	61.1270	61.1370	61.13275	.2378E-02
		2	61.0740	61.1930		
15	LAB33	1	59.7130	59.7590	59.81450	.1537E-01
		2	59.9940	59.7920		
16	LAB35	1	60.1060	60.0640	60.07150	.9537E-03
		2	60.0830	60.0330		
17	LAB41	1	60.0190	60.0360	60.08400	.6433E-02
		2	60.1970	60.0840		
18	LAB13	1	60.4840	60.0470	60.38700	.8755E-01
		2	60.7410	60.2760		
19	LAB16	1	59.6090	59.7020	59.69650	.8556E-02
		2	59.6520	59.8230		
20	LAB18	1	59.8800	59.4850	59.72625	.4944E-01
		2	59.9470	59.5930		
21	LAB21	1	60.1290	59.9790	60.02425	.1140E-01
		2	60.0930	59.8960		
22	LAB22	1	59.7090	59.9580	59.78650	.1466E-01
		2	59.6940	59.7850		
23	LAB25	1	59.8250	59.8220	59.82025	.2158E-04
		2	59.8140	59.8200		
24	LAB26	1	60.3950	60.4640	60.44825	.7279E-02
		2	60.5620	60.3720		
25	LAB33	1	59.6440	59.4720	59.58800	.6731E-02
		2	59.5880	59.6480		
26	LAB40	1	60.1670	60.0150	60.04050	.6255E-01
		2	60.2780	59.7020		

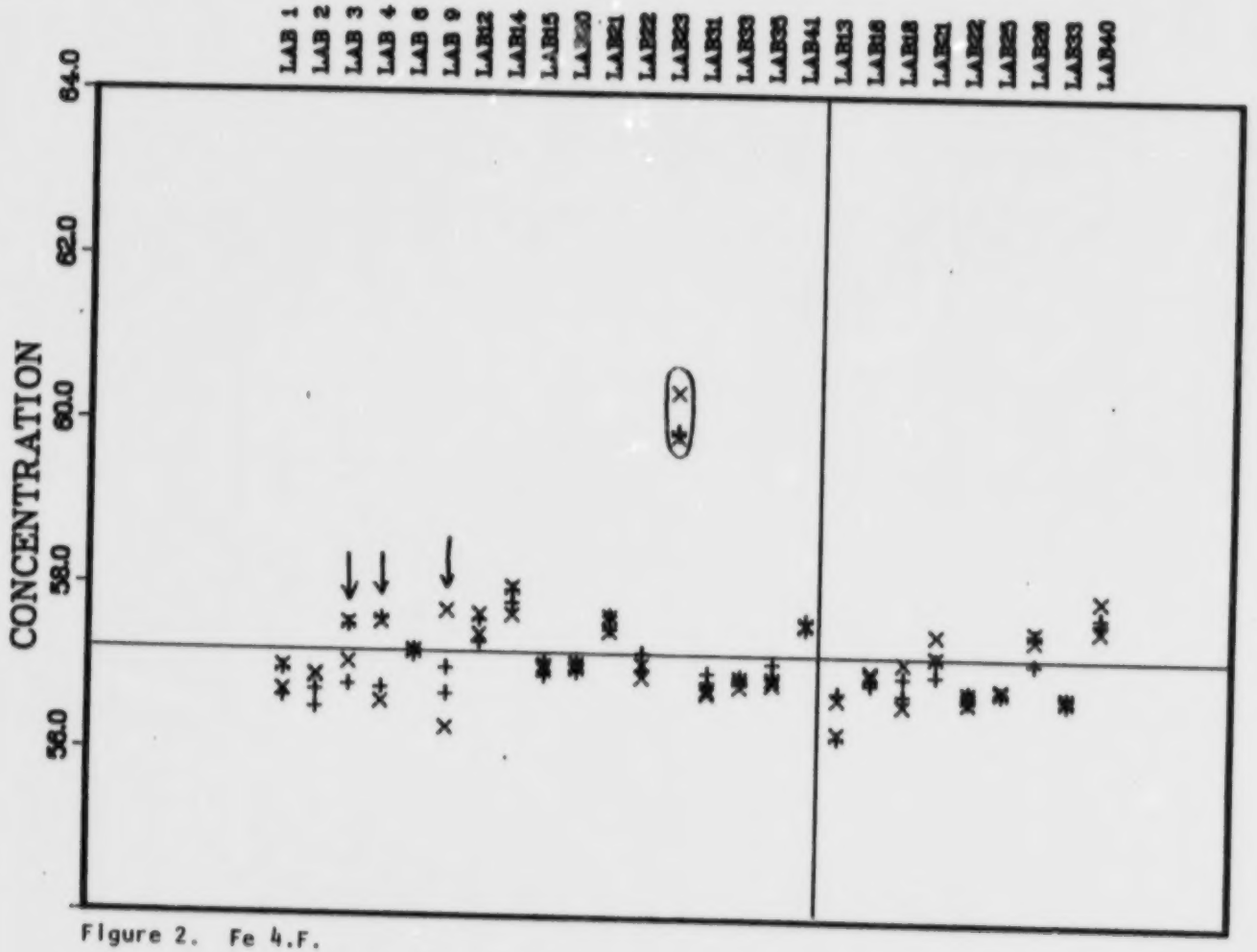


Figure 2. Fe 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE: 83-1 LOSS ON FUSION CORRECTED

Table 2. Fe 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	56.7430	57.0310	56.85700	.3317E-01
		2	56.6620	56.9920		
2	LAB 2	1	56.9160	56.9310	56.78125	.3465E-01
		2	56.5320	56.7460		
3	LAB 3	1	57.5640	57.0870	57.24900	.1319E+00
		2	57.5320	56.8130		
4	LAB 4	1	56.6100	57.5780	57.14650	.2774E+00
		2	56.7790	57.6190		
5	LAB 6	1	57.2230	57.2370	57.22025	.8636E-03
		2	57.1780	57.2430		
6	LAB 9	1	56.3020	57.7230	56.94150	.3602E+00
		2	56.7110	57.0300		
7	LAB12	1	57.6860	57.4430	57.52425	.2451E-01
		2	57.6210	57.3470		
8	LAB14	1	58.0180	57.6830	57.87725	.2351E-01
		2	57.9800	57.8280		
9	LAB15	1	57.0220	57.0740	57.04525	.6669E-02
		2	57.1390	56.9460		
10	LAB20	1	57.0980	57.0390	57.05700	.2198E-02
		2	56.9990	57.0920		
11	LAB21	1	57.4970	57.6720	57.59475	.9837E-02
		2	57.5220	57.6880		
12	LAB22	1	56.9400	57.1020	57.08025	.1606E-01
		2	57.0370	57.2420		
13	LAB23	1	60.3970	59.8630	60.02050	.6375E-01
		2	59.8920	59.9300		
14	LAB31	1	56.7980	56.7530	56.86450	.1288E-01
		2	56.8990	57.0080		
15	LAB33	1	56.8470	56.9510	56.91700	.3051E-02
		2	56.9000	56.9700		
16	LAB35	1	56.8790	56.9460	56.98750	.1147E-01
		2	57.1320	56.9930		
17	LAB41	1	57.5960	57.6130	57.60500	.1817E-02
		2	57.6570	57.5540		
18	LAB13	1	56.7070	56.2940	56.50900	.7767E-01
		2	56.7890	56.2460		
19	LAB16	1	57.0010	57.0450	56.97325	.4243E-02
		2	56.8930	56.9540		
20	LAB18	1	57.1600	56.6440	56.89200	.5200E-01
		2	56.9880	56.7760		
21	LAB21	1	57.5020	57.2370	57.24175	.4013E-01
		2	57.2140	57.0140		
22	LAB22	1	56.8110	56.6940	56.75900	.4391E-02
		2	56.8210	56.7100		
23	LAB25	1	56.8560	56.8310	56.82975	.3729E-03
		2	56.8210	56.8110		
24	LAB26	1	57.4620	57.5600	57.42950	.3087E-01
		2	57.5230	57.1730		
25	LAB33	1	56.7670	56.7320	56.74225	.1138E-02
		2	56.6990	56.7710		
26	LAB40	1	57.5830	57.9460	57.73975	.2346E-01
		2	57.7470	57.6830		

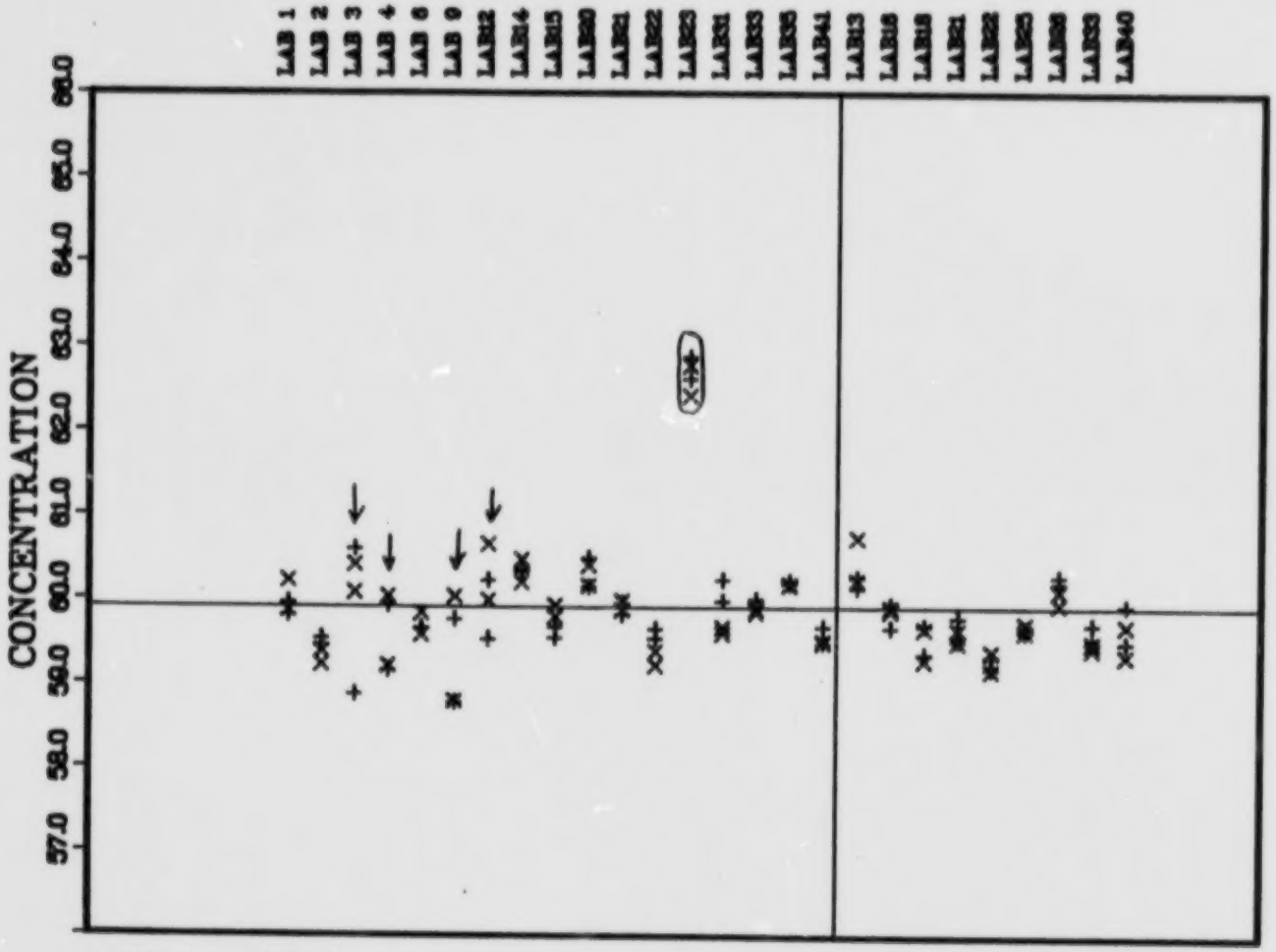


Figure 2. Fe 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE 83-9 LOSS ON FUSION CORRECTED

Table 2. Fe S.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	59.8710	60.2250	59.96875	.3306E-01
		2	59.8140	59.9650		
2	LAB 2	1	59.2300	59.3920	59.40325	.1722E-01
		2	59.4480	59.5430		
3	LAB 3	1	60.4190	60.0870	59.99775	.6012E+00
		2	60.6050	58.8800		
4	LAB 4	1	59.2180	60.0390	59.58800	.2126E+00
		2	59.1640	59.9310		
5	LAB 6	1	59.5860	59.8420	59.68825	.1181E-01
		2	59.6630	59.6620		
6	LAB 9	1	58.7990	60.0390	59.34775	.4247E+00
		2	58.7840	59.7690		
7	LAB12	1	60.6630	59.9960	60.10600	.2217E+00
		2	60.2310	59.5340		
8	LAB14	1	60.4790	60.2110	60.34800	.1201E-01
		2	60.3450	60.3570		
9	LAB15	1	59.8050	59.9380	59.74575	.2676E-01
		2	59.5560	59.6840		
10	LAB20	1	60.4170	60.1740	60.31225	.3017E-01
		2	60.5020	60.1560		
11	LAB21	1	59.8810	59.9960	59.91925	.5872E-02
		2	59.8310	59.9690		
12	LAB22	1	59.2300	59.3960	59.46075	.3583E-01
		2	59.5520	59.6650		
13	LAB23	1	62.7820	62.4250	62.67900	.4002E-01
		2	62.8840	62.6250		
14	LAB31	1	59.6090	59.6820	59.88225	.8604E-01
		2	60.2440	59.9940		
15	LAB33	1	59.8540	59.8970	59.92325	.4821E-02
		2	59.9240	60.0180		
16	LAB35	1	60.1920	60.1810	60.20225	.5436E-03
		2	60.2350	60.2010		
17	LAB41	1	59.4980	59.5170	59.55075	.9088E-02
		2	59.6930	59.4950		
18	LAB13	1	60.7440	60.2350	60.35000	.7182E-01
		2	60.1470	60.2740		
19	LAB16	1	59.9140	59.8750	59.85375	.1516E-01
		2	59.9510	59.6750		
20	LAB18	1	59.6660	59.2890	59.50600	.4370E-01
		2	59.7030	59.3660		
21	LAB21	1	59.6530	59.5080	59.61950	.1795E-01
		2	59.7950	59.5220		
22	LAB22	1	59.3970	59.1770	59.27850	.1191E-01
		2	59.3450	59.1950		
23	LAB25	1	59.6380	59.7280	59.67125	.1842E-02
		2	59.6810	59.6380		
24	LAB26	1	60.1110	59.9550	60.14175	.2086E-01
		2	60.2110	60.2900		
25	LAB33	1	59.4320	59.5060	59.54125	.1558E-01
		2	59.5060	59.7210		
26	LAB40	1	59.7040	59.3490	59.62675	.6638E-01
		2	59.5080	59.9460		

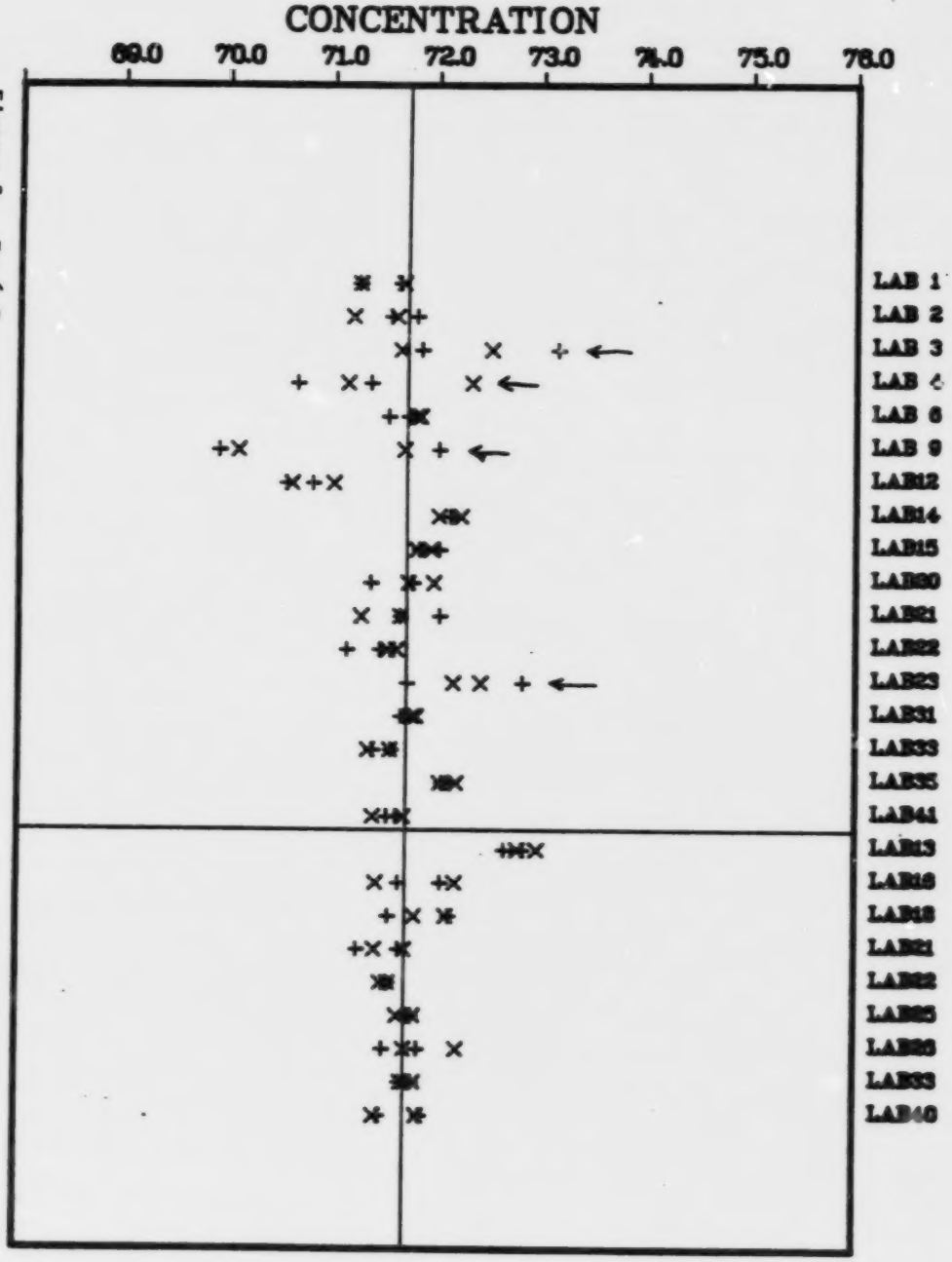


Figure 2. Fe 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE

SAMPLE 83-16 LOSS ON FUSION CORRECTED

Table 2. Fe 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	71.2590	71.6800	71.46075	.5551E-01
		2	71.2550	71.6490		
2	LAB 2	1	71.2000	71.6180	71.54775	.6512E-01
		2	71.8110	71.5620		
3	LAB 3	1	72.5220	71.6580	72.29875	.4646E+00
		2	73.1580	71.8570		
4	LAB 4	1	71.1520	72.3380	71.38400	.4899E+00
		2	70.6730	71.3730		
5	LAB 6	1	71.8120	71.8480	71.73475	.1852E-01
		2	71.5430	71.7360		
6	LAB 9	1	70.1090	71.6980	70.94000	.1158E+01
		2	69.9260	72.0270		
7	LAB12	1	71.0220	70.6230	70.76075	.4187E-01
		2	70.8230	70.5750		
8	LAB14	1	72.0280	72.2390	72.13775	.7450E-02
		2	72.1390	72.1450		
9	LAB15	1	71.8210	71.9540	71.91275	.9689E-02
		2	71.8440	72.0320		
10	LAB20	1	71.7350	71.9790	71.71750	.6280E-01
		2	71.3770	71.7790		
11	LAB21	1	71.2860	71.6600	71.66025	.9375E-01
		2	71.6590	72.0360		
12	LAB22	1	71.6270	71.5410	71.44500	.4322E-01
		2	71.1500	71.4620		
13	LAB23	1	72.4290	72.1680	72.28725	.2147E+00
		2	72.8280	71.7240		
14	LAB31	1	71.8140	71.7760	71.73900	.4615E-02
		2	71.6660	71.7000		
15	LAB33	1	71.3540	71.5670	71.47325	.1306E-01
		2	71.3970	71.5750		
16	LAB35	1	72.2010	72.0460	72.11450	.5206E-02
		2	72.1460	72.0650		
17	LAB41	1	71.6990	71.4050	71.56875	.1604E-01
		2	71.6290	71.5420		
18	LAB13	1	72.7910	72.9740	72.81450	.1673E-01
		2	72.8330	72.6600		
19	LAB16	1	72.1930	71.4380	71.83525	.1225E+00
		2	72.0560	71.6540		
20	LAB18	1	72.1110	71.8090	71.90300	.7521E-01
		2	72.1350	71.5570		
21	LAB21	1	71.7160	71.4300	71.51575	.4454E-01
		2	71.2590	71.6580		
22	LAB22	1	71.5630	71.4910	71.54075	.1136E-02
		2	71.5600	71.5490		
23	LAB25	1	71.8080	71.6520	71.75475	.4886E-02
		2	71.7750	71.7840		
24	LAB26	1	72.2200	71.7190	71.82550	.8841E-01
		2	71.5130	71.8500		
25	LAB33	1	71.8170	71.6940	71.74600	.4846E-02
		2	71.6790	71.7940		
26	LAB40	1	71.8480	71.4350	71.65875	.5523E-01
		2	71.4770	71.8750		

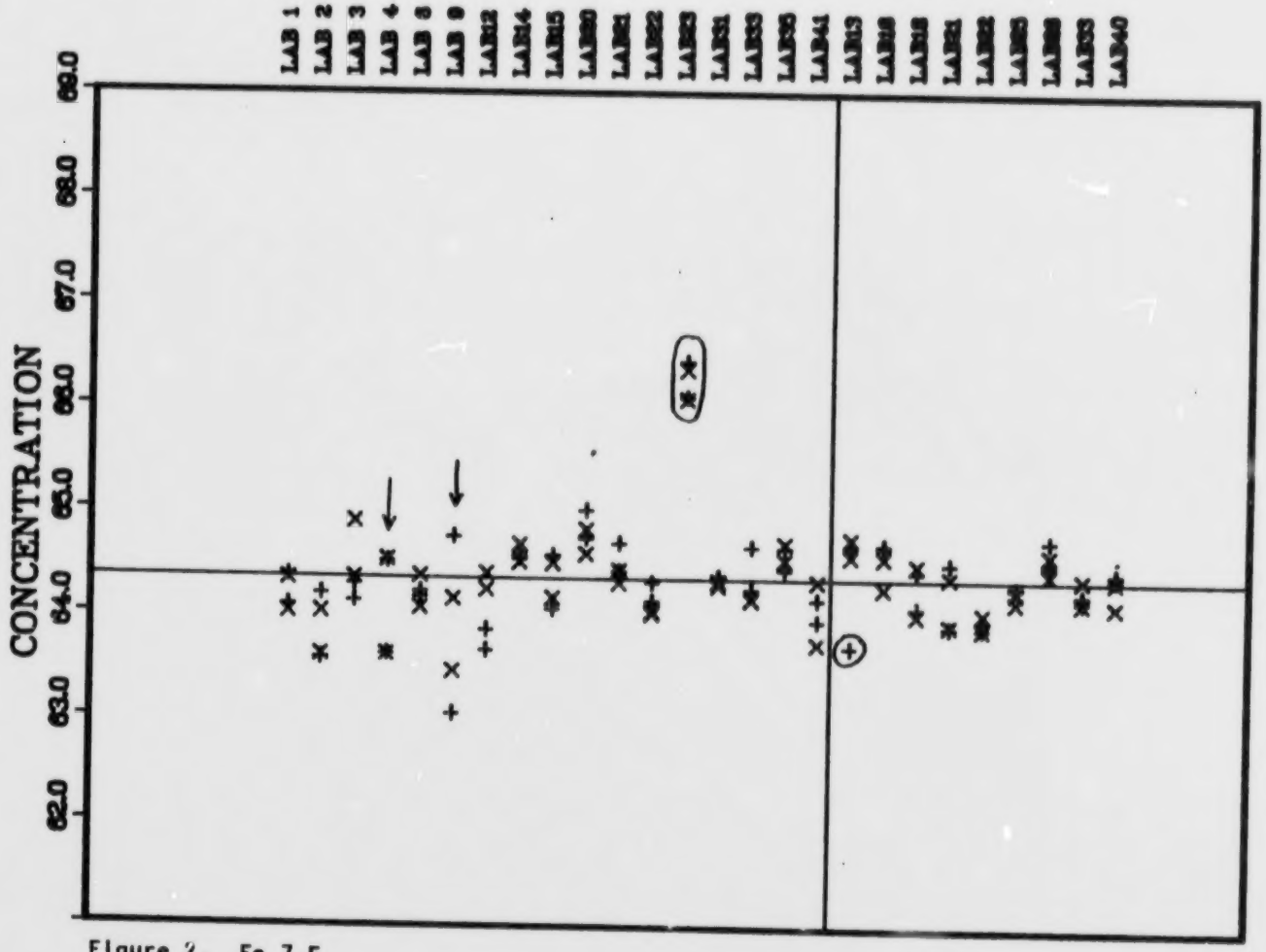


Figure 2. Fe 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 FE

SAMPLE 83-17 LOSS ON FUSION CORRECTED

Table 2. Fe 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 FE
SAMPLE: 93-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	64.0180	64.3400	64.20325	.3160E-01
		2	64.0850	64.3700		
2	LAB 2	1	63.6120	64.0240	63.85325	.9340E-01
		2	63.5800	64.1970		
3	LAB 3	1	64.8920	64.3540	64.41775	.1089E+00
		2	64.2950	64.1300		
4	LAB 4	1	63.6200	64.5310	64.07300	.2706E+00
		2	63.6250	64.5160		
5	LAB 6	1	64.3780	64.0680	64.21225	.1657E-01
		2	64.1770	64.2260		
6	LAB 9	1	63.4630	64.1550	63.85550	.5655E+00
		2	63.0510	64.7530		
7	LAB12	1	64.4050	64.2480	64.04500	.1162E+00
		2	63.8620	63.6650		
8	LAB14	1	64.6830	64.5150	64.59275	.5694E-02
		2	64.6240	64.5490		
9	LAB15	1	64.1690	64.5050	64.32900	.6362E-01
		2	64.0620	64.5800		
10	LAB20	1	64.5940	64.8290	64.79500	.3038E-01
		2	64.7450	65.0120		
11	LAB21	1	64.3180	64.4420	64.47250	.2576E-01
		2	64.6980	64.4320		
12	LAB22	1	64.0230	64.0480	64.13500	.1864E-01
		2	64.1450	64.3240		
13	LAB23	1	66.3620	66.0810	66.24625	.3347E-01
		2	66.4420	66.1000		
14	LAB31	1	64.3380	64.2940	64.34475	.1513E-02
		2	64.3620	64.3850		
15	LAB33	1	64.1700	64.1600	64.31525	.5800E-01
		2	64.2610	64.6700		
16	LAB35	1	64.7040	64.5450	64.59000	.1308E-01
		2	64.6600	64.4510		
17	LAB41	1	64.3390	63.7400	64.04950	.6708E-01
		2	64.1630	63.9560		
18	LAB13	1	64.5790	64.7490	64.42825	.2361E+00
		2	63.7070	64.6780		
19	LAB16	1	64.2740	64.5690	64.55300	.3762E-01
		2	64.6940	64.6750		
20	LAB18	1	64.4980	64.0150	64.25850	.5895E-01
		2	64.4340	64.0870		
21	LAB21	1	64.3840	63.9250	64.18325	.9783E-01
		2	64.5160	63.9080		
22	LAB22	1	63.8950	64.0370	63.95200	.4535E-02
		2	63.9750	63.9010		
23	LAB25	1	64.1520	64.2490	64.24750	.4514E-02
		2	64.2940	64.2950		
24	LAB26	1	64.6050	64.4190	64.56675	.1960E-01
		2	64.7430	64.5000		
25	LAB33	1	64.3750	64.1530	64.23175	.1018E-01
		2	64.2290	64.1700		
26	LAB40	1	64.3640	64.1180	64.32550	.2002E-01
		2	64.4350	64.3850		

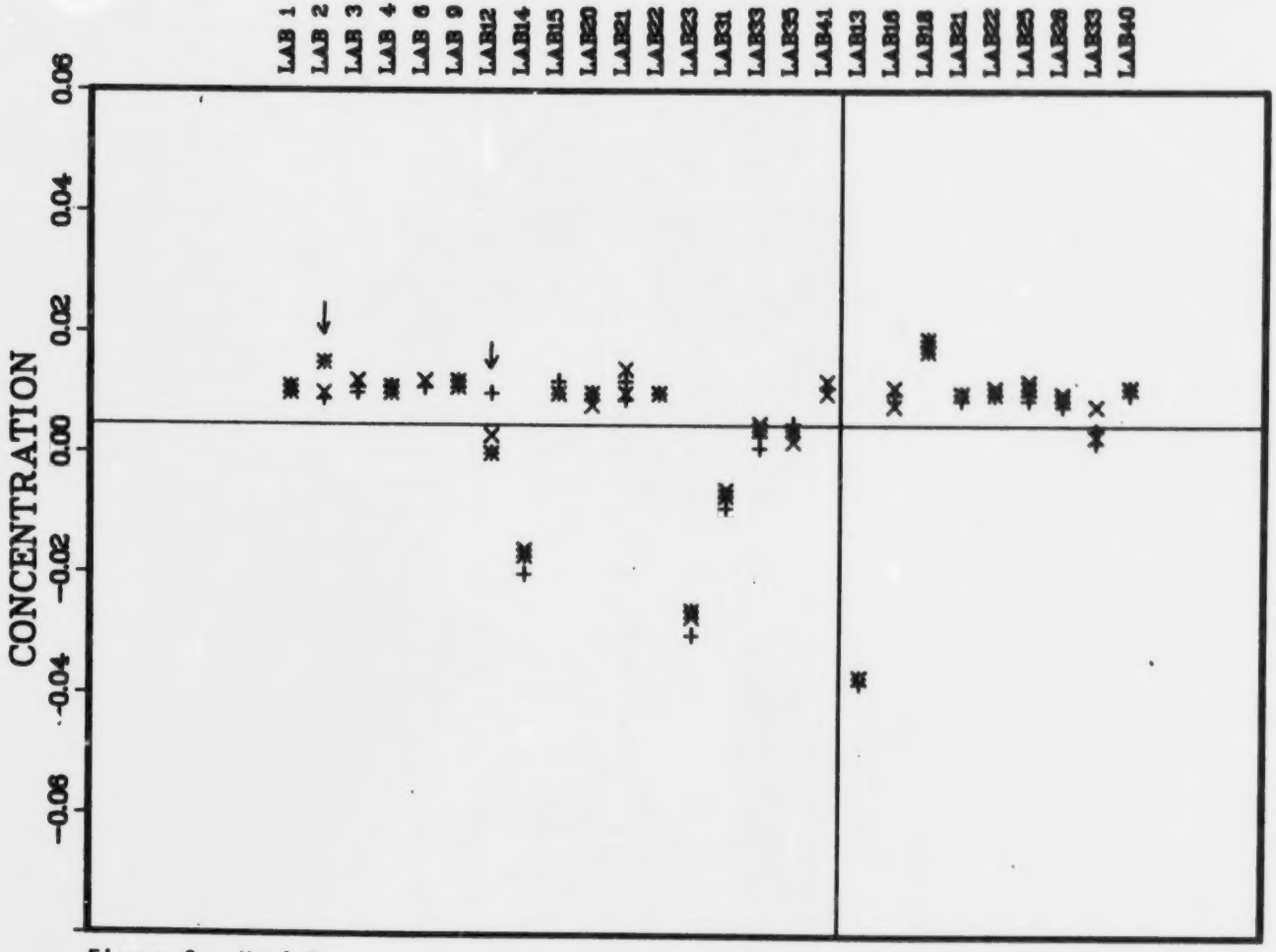


Figure 2. Mn I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METEOD – 1984 MN

SAMPLE: 77-8 LOSS CORRECTED ALPHA

Table 2. Mn I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0100	.0110	.01050	.3333E-06
		2	.0100	.0110		
2	LAB 2	1	.0100	.0150	.01225	.1025E-04
		2	.0150	.0090		
3	LAB 3	1	.0120	.0120	.01125	.9167E-06
		2	.0110	.0100		
4	LAB 4	1	.0110	.0100	.01050	.3333E-06
		2	.0100	.0110		
5	LAB 6	1	.0120	.0120	.01150	.3333E-06
		2	.0110	.0110		
6	LAB 9	1	.0110	.0120	.01150	.3333E-06
		2	.0110	.0120		
7	LAB12	1	.0030	0.0000	.00325	.2225E-04
		2	.0100	0.0000		
8	LAB14	1	-.0170	-.0160	-.01750	.3000E-05
		2	-.0200	-.0170		
9	LAB15	1	.0100	.0100	.01050	.1000E-05
		2	.0100	.0120		
10	LAB20	1	.0080	.0100	.00925	.9167E-06
		2	.0090	.0100		
11	LAB21	1	.0100	.0140	.01125	.4917E-05
		2	.0090	.0120		
12	LAB22	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
13	LAB23	1	-.0270	-.0260	-.02725	.3583E-05
		2	-.0300	-.0260		
14	LAB31	1	-.0060	-.0070	-.00725	.1583E-05
		2	-.0070	-.0090		
15	LAB33	1	.0040	.0050	.00325	.2917E-05
		2	.0030	.0010		
16	LAB35	1	.0040	.0020	.00375	.1583E-05
		2	.0050	.0040		
17	LAB41	1	.0120	.0100	.01100	.4667E-06
		2	.0110	.0110		
18	LAB13	1	-.0370	-.0370	-.03725	.2500E-06
		2	-.0380	-.0370		
19	LAB16	1	.0080	.0110	.00975	.1583E-05
		2	.0100	.0100		
20	LAB18	1	.0190	.0170	.01900	.1333E-05
		2	.0190	.0170		
21	LAB21	1	.0100	.0100	.00975	.2500E-06
		2	.0100	.0090		
22	LAB22	1	.0100	.0110	.01025	.2500E-06
		2	.0100	.0100		
23	LAB25	1	.0110	.0120	.01050	.1667E-05
		2	.0090	.0100		
24	LAB26	1	.0090	.0100	.00900	.6667E-06
		2	.0080	.0090		
25	LAB33	1	.0030	.0080	.00425	.6917E-05
		2	.0040	.0020		
26	LAB40	1	.0110	.0110	.01075	.2500E-06
		2	.0110	.0100		

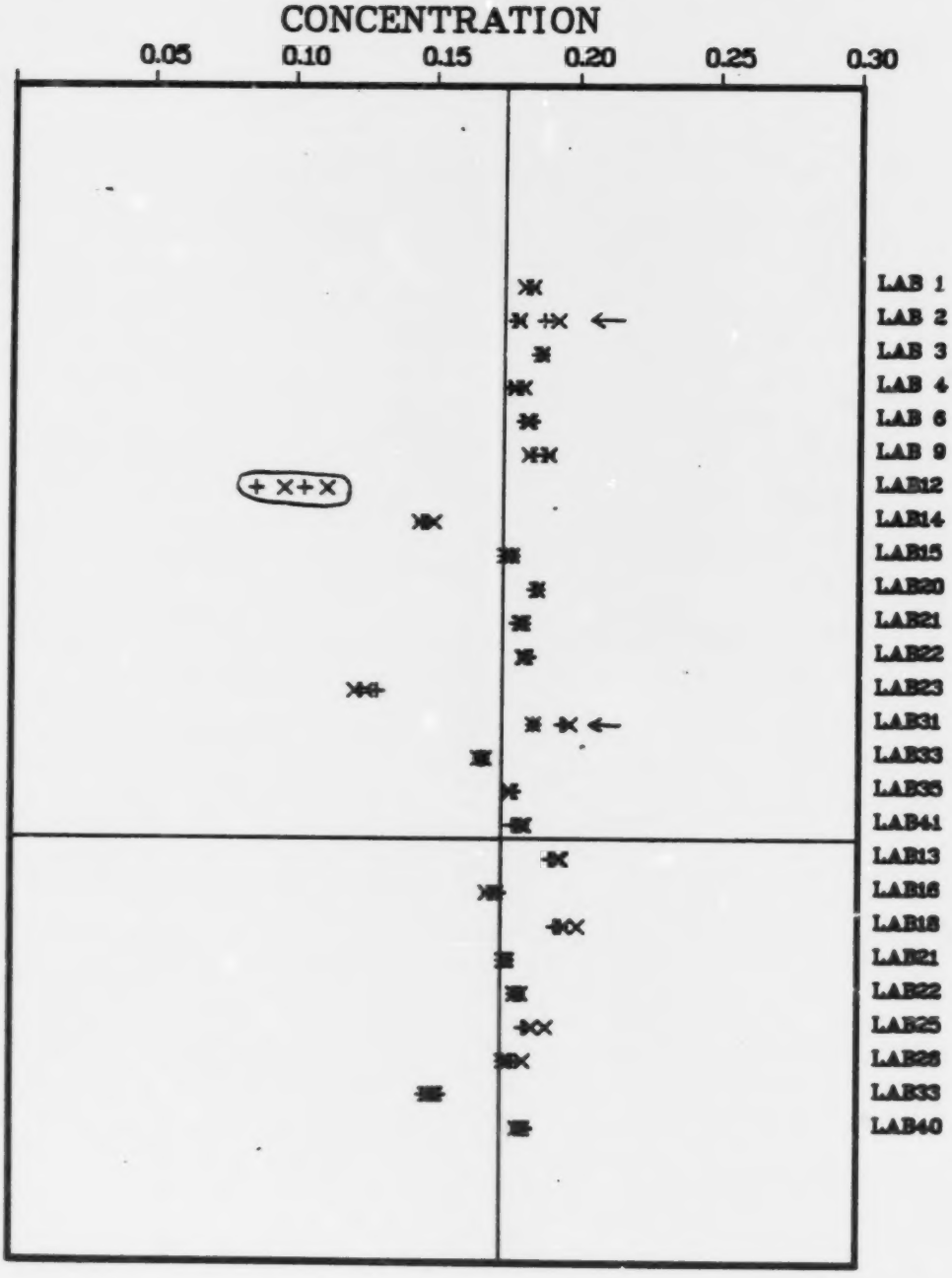


Figure 2. Mn 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

SAMPLE 78-4 LOSS CORRECTED ALPHA

Table 2. Mn 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1810	.1840	.18275	.1583E-05
		2	.1830	.1830		
2	LAB 2	1	.1790	.1930	.18450	.5233E-04
		2	.1880	.1780		
3	LAB 3	1	.1870	.1870	.18675	.2500E-06
		2	.1860	.1870		
4	LAB 4	1	.1780	.1810	.17850	.4333E-05
		2	.1790	.1760		
5	LAB 6	1	.1820	.1830	.18250	.1667E-05
		2	.1840	.1810		
6	LAB 9	1	.1830	.1900	.18650	.1233E-04
		2	.1840	.1890		
7	LAB12	1	.1120	.0970	.10000	.1127E-03
		2	.1040	.0870		
8	LAB14	1	.1450	.1500	.14675	.4917E-05
		2	.1460	.1460		
9	LAB15	1	.1770	.1750	.17600	.1333E-05
		2	.1770	.1750		
10	LAB20	1	.1860	.1860	.18575	.2500E-06
		2	.1850	.1860		
11	LAB21	1	.1800	.1810	.18025	.9167E-06
		2	.1790	.1810		
12	LAB22	1	.1820	.1810	.18200	.6667E-06
		2	.1830	.1820		
13	LAB23	1	.1220	.1260	.12550	.1167E-04
		2	.1240	.1300		
14	LAB31	1	.1850	.1980	.19075	.4558E-04
		2	.1950	.1850		
15	LAB33	1	.1660	.1680	.16700	.6667E-06
		2	.1670	.1670		
16	LAB35	1	.1770	.1770	.17750	.3333E-06
		2	.1780	.1780		
17	LAB41	1	.1820	.1810	.18050	.3000E-05
		2	.1810	.1780		
18	LAB13	1	.1950	.1940	.19300	.3333E-05
		2	.1910	.1920		
19	LAB16	1	.1690	.1720	.17100	.3333E-05
		2	.1700	.1730		
20	LAB18	1	.2010	.1960	.19625	.1158E-04
		2	.1950	.1930		
21	LAB21	1	.1760	.1750	.17550	.3333E-06
		2	.1750	.1760		
22	LAB22	1	.1790	.1810	.17975	.9167E-06
		2	.1790	.1800		
23	LAB25	1	.1900	.1850	.18475	.1425E-04
		2	.1820	.1820		
24	LAB26	1	.1750	.1820	.17750	.1100E-04
		2	.1750	.1780		
25	LAB33	1	.1510	.1480	.14950	.3667E-05
		2	.1520	.1470		
26	LAB40	1	.1820	.1800	.18150	.1667E-05
		2	.1810	.1830		

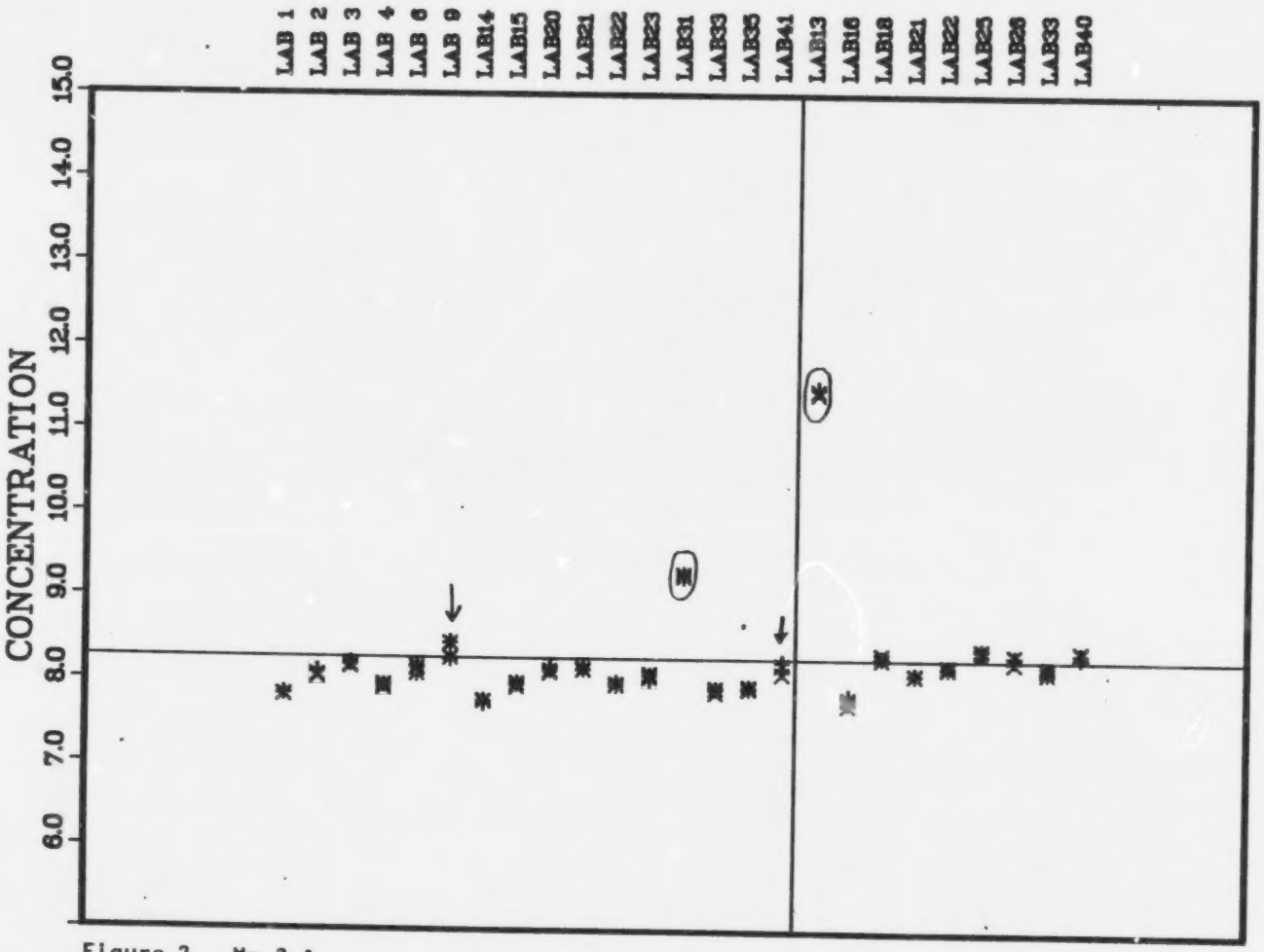


Figure 2. Mn 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MN

SAMPLE 79–13 LOSS CORRECTED ALPHA

Table 2. Mn 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	7.8200	7.8170	7.82725	.1096E-03
		2	7.8330	7.8390		
2	LAB 2	1	8.0280	8.0590	8.06975	.1112E-02
		2	8.0890	8.1030		
3	LAB 3	1	8.1600	8.1810	8.18375	.3742E-03
		2	8.2070	8.1870		
4	LAB 4	1	7.9480	7.9030	7.93075	.4069E-03
		2	7.9290	7.9430		
5	LAB 6	1	8.1590	8.0820	8.12375	.3019E-02
		2	8.1820	8.0720		
6	LAB 9	1	8.2750	8.4500	8.35850	.1213E-01
		2	8.2520	8.4570		
7	LAB14	1	7.7620	7.7580	7.75275	.3809E-03
		2	7.7670	7.7240		
8	LAB15	1	7.9300	7.9750	7.96000	.4860E-03
		2	7.9570	7.9780		
9	LAB20	1	8.1050	8.1290	8.13075	.5083E-03
		2	8.1600	8.1290		
10	LAB21	1	8.1430	8.1490	8.14850	.3100E-04
		2	8.1460	8.1560		
11	LAB22	1	7.9620	7.9750	7.97125	.3049E-03
		2	7.9940	7.9540		
12	LAB23	1	8.0520	8.0930	8.06100	.1161E-02
		2	8.0170	8.0820		
13	LAB31	1	9.2870	9.2580	9.27100	.4807E-03
		2	9.2920	9.2470		
14	LAB33	1	7.8690	7.9250	7.90625	.6449E-03
		2	7.9120	7.9190		
15	LAB35	1	7.9160	7.9420	7.92850	.2630E-03
		2	7.9130	7.9430		
16	LAB41	1	8.2060	8.0990	8.17350	.4404E-02
		2	8.2480	8.1410		
17	LAB13	1	11.4820	11.4380	11.48525	.1201E-02
		2	11.5170	11.5040		
18	LAB16	1	7.7290	7.8070	7.78325	.2704E-02
		2	7.7530	7.8440		
19	LAB18	1	8.3360	8.2810	8.30475	.5289E-03
		2	8.3040	8.2980		
20	LAB21	1	8.0990	8.0960	8.09875	.4625E-04
		2	8.0920	8.1080		
21	LAB22	1	8.1810	8.2080	8.19250	.1870E-03
		2	8.1810	8.2000		
22	LAB25	1	8.3520	8.4030	8.37900	.1017E-02
		2	8.3510	8.4100		
23	LAB26	1	8.2520	8.3430	8.30300	.1674E-02
		2	8.2890	8.3280		
24	LAB33	1	8.1890	8.1380	8.15950	.5150E-03
		2	8.1650	8.1460		
25	LAB40	1	8.3840	8.3880	8.36525	.9449E-03
		2	8.3680	8.3210		

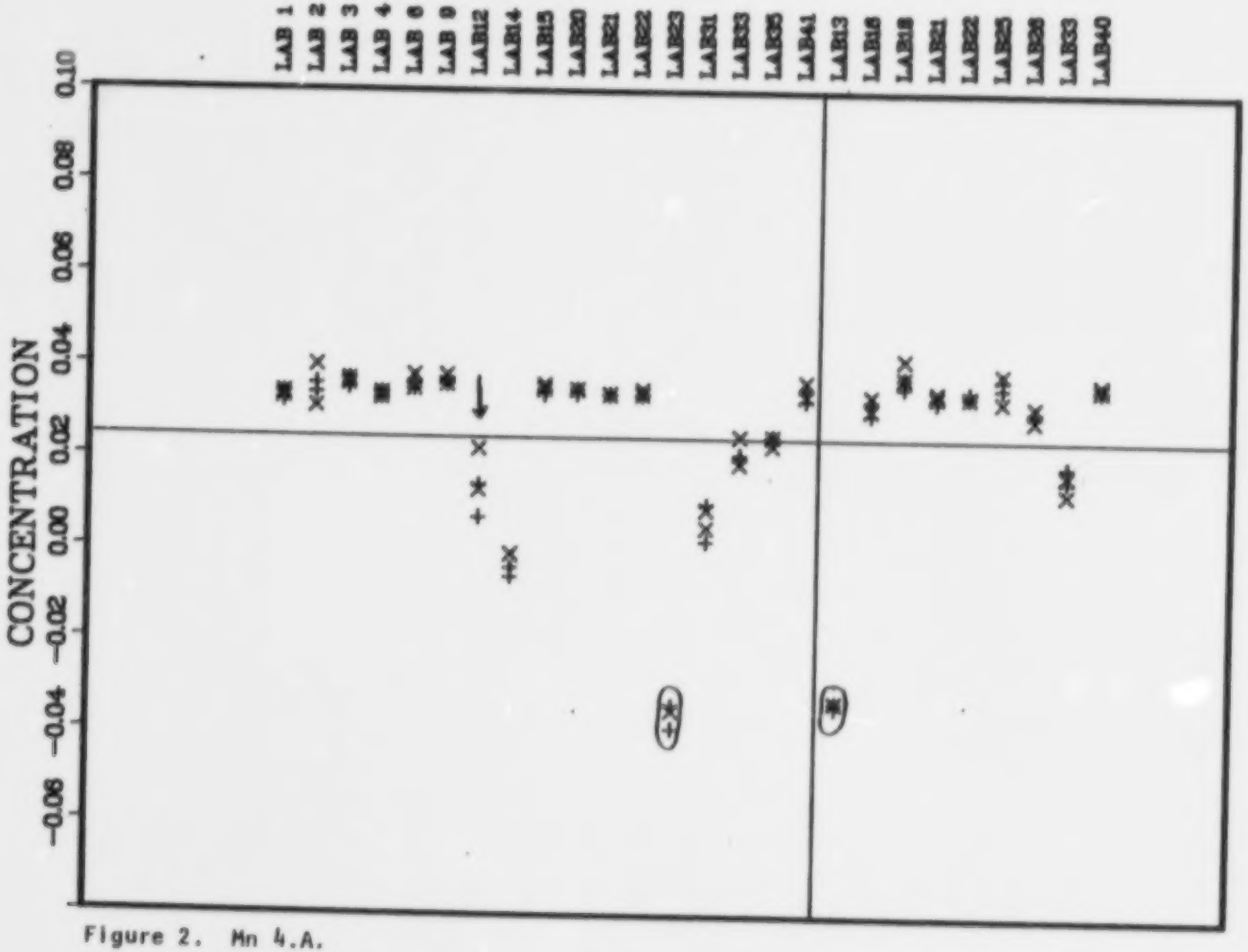


Figure 2. Mn 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

SAMPLE 83-1 LOSS CORRECTED ALPHA

Table 2. Mn 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 93-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0330	.0340	.03325	.9167E-06
		2	.0320	.0340		
2	LAB 2	1	.0310	.0400	.03525	.1425E-04
		2	.0340	.0360		
3	LAB 3	1	.0370	.0360	.03625	.9167E-06
		2	.0370	.0350		
4	LAB 4	1	.0330	.0340	.03350	.3333E-06
		2	.0340	.0330		
5	LAB 6	1	.0380	.0350	.03600	.2000E-05
		2	.0360	.0350		
6	LAB 9	1	.0360	.0380	.03675	.9167E-06
		2	.0360	.0370		
7	LA812	1	.0220	.0130	.01400	.3800E-04
		2	.0140	.0070		
8	LA814	1	-.0010	-.0010	-.00300	.6000E-05
		2	-.0060	-.0040		
9	LA815	1	.0350	.0360	.03500	.6667E-06
		2	.0350	.0340		
10	LA820	1	.0350	.0350	.03475	.2500E-06
		2	.0340	.0350		
11	LA821	1	.0340	.0340	.03400	0.
		2	.0340	.0340		
12	LA822	1	.0350	.0340	.03425	.2500E-06
		2	.0340	.0340		
13	LA823	1	-.0350	-.0350	-.03575	.4917E-05
		2	-.0390	-.0340		
14	LA831	1	.0050	.0090	.00650	.1367E-04
		2	.0100	.0020		
15	LA833	1	.0190	.0250	.02125	.6917E-05
		2	.0210	.0200		
16	LA835	1	.0250	.0230	.02425	.9167E-06
		2	.0250	.0240		
17	LA841	1	.0370	.0340	.03475	.2917E-05
		2	.0350	.0330		
18	LA913	1	-.0330	-.0330	-.03325	.2500E-06
		2	-.0330	-.0340		
19	LA816	1	.0310	.0340	.03200	.3333E-05
		2	.0300	.0330		
20	LA818	1	.0380	.0420	.03850	.6333E-05
		2	.0380	.0360		
21	LA921	1	.0350	.0340	.03375	.9167E-06
		2	.0330	.0330		
22	LA822	1	.0340	.0340	.03425	.2500E-06
		2	.0340	.0350		
23	LA825	1	.0330	.0390	.03650	.7000E-05
		2	.0380	.0360		
24	LA826	1	.0290	.0320	.03050	.1667E-05
		2	.0310	.0300		
25	LA933	1	.0170	.0130	.01625	.6250E-05
		2	.0160	.0190		
26	LA840	1	.0360	.0370	.03625	.2500E-06
		2	.0360	.0360		

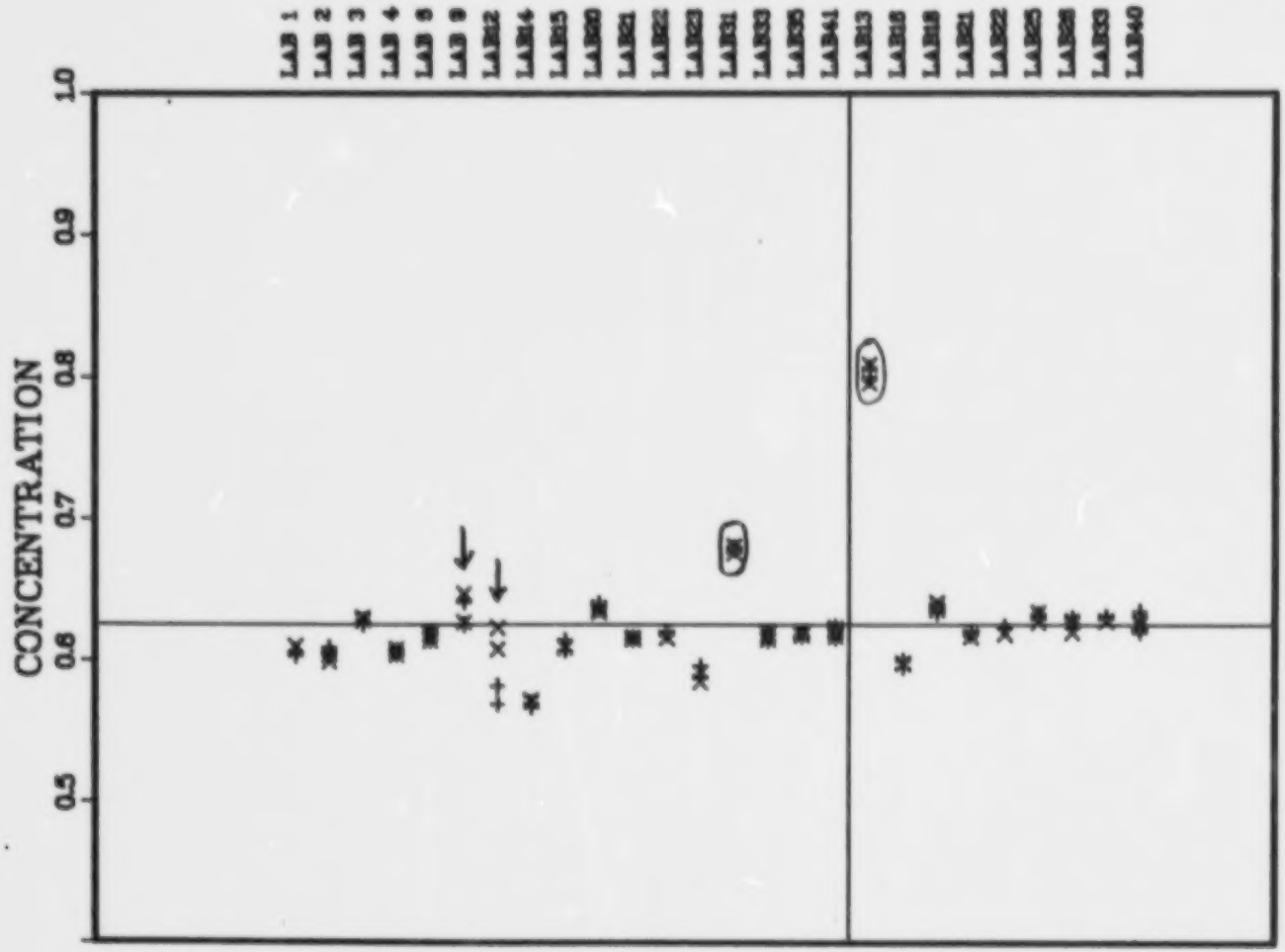


Figure 2. Mn 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MN

SAMPLE 83-9 LOSS CORRECTED ALPHA

Table 2. Mn S.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.6100	.6100	.60725	.1158E-04
		2	.6060	.6030		
2	LAB 2	1	.6040	.5990	.60450	.1767E-04
		2	.6060	.6090		
3	LAB 3	1	.6280	.6300	.62775	.4250E-05
		2	.6280	.6250		
4	LAB 4	1	.6040	.6080	.60575	.4250E-05
		2	.6040	.6070		
5	LAB 6	1	.6190	.6140	.61675	.1025E-04
		2	.6200	.6140		
6	LAB 9	1	.6270	.6470	.63500	.1147E-03
		2	.6250	.6410		
7	LAB12	1	.6230	.6080	.59550	.5990E-03
		2	.5820	.5690		
8	LAB14	1	.5720	.5710	.57000	.4667E-05
		2	.5700	.5670		
9	LAB15	1	.6090	.6100	.61000	.8667E-05
		2	.6140	.6070		
10	LAB20	1	.6370	.6340	.63675	.6250E-05
		2	.6400	.6360		
11	LAB21	1	.6160	.6150	.61550	.3333E-06
		2	.6160	.6150		
12	LAB22	1	.6160	.6160	.61750	.3667E-05
		2	.6200	.6180		
13	LAB23	1	.5850	.5920	.59050	.2167E-04
		2	.5890	.5960		
14	LAB31	1	.6760	.6810	.67875	.4917E-05
		2	.6800	.6780		
15	LAB33	1	.6150	.6190	.61675	.6917E-05
		2	.6140	.6190		
16	LAB35	1	.6180	.6200	.61925	.1583E-05
		2	.6170	.6180		
17	LAB41	1	.6230	.6170	.62000	.1667E-04
		2	.6240	.6160		
18	LAB13	1	.7960	.8090	.80250	.4167E-04
		2	.7980	.8070		
19	LAB16	1	.5980	.5980	.59775	.4250E-05
		2	.5950	.6000		
20	LAB18	1	.6410	.6360	.63725	.8917E-05
		2	.6380	.6340		
21	LAB21	1	.6170	.6170	.61800	.2000E-05
		2	.6200	.6180		
22	LAB22	1	.6190	.6190	.62125	.6917E-05
		2	.6230	.6240		
23	LAB25	1	.6270	.6340	.63150	.9667E-05
		2	.6320	.6330		
24	LAB26	1	.6200	.6280	.62600	.1867E-04
		2	.6260	.6300		
25	LAB33	1	.6280	.6280	.62925	.2250E-05
		2	.6310	.6300		
26	LAB40	1	.6260	.6270	.62700	.3800E-04
		2	.6200	.6350		

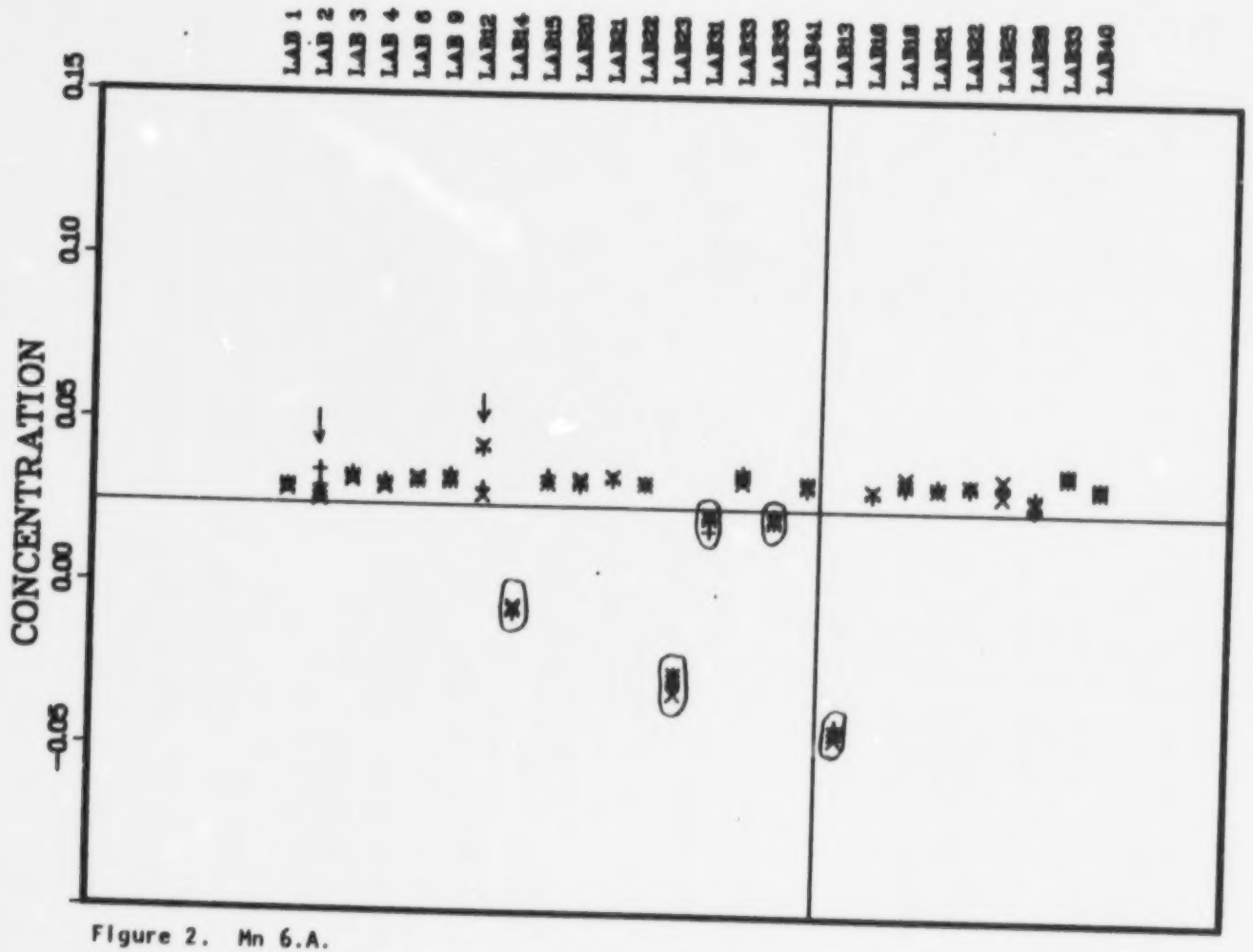


Figure 2. Mn 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MN

SAMPLE 83-16 LOSS CORRECTED ALPHA

Table 2. Mn 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0290	.0300	.02975	.2500E-06
		2	.0300	.0300		
2	LAB 2	1	.0280	.0260	.02975	.1492E-04
		2	.0300	.0350		
3	LAB 3	1	.0330	.0320	.03300	.6667E-06
		2	.0340	.0330		
4	LAB 4	1	.0310	.0300	.03100	.6667E-06
		2	.0320	.0310		
5	LAB 6	1	.0320	.0330	.03225	.2500E-06
		2	.0320	.0320		
6	LAB 9	1	.0320	.0330	.03275	.9167E-06
		2	.0320	.0340		
7	LAB12	1	.0430	.0280	.03575	.6158E-04
		2	.0420	.0300		
8	LAB14	1	-.0070	-.0060	-.00725	.9167E-06
		2	-.0080	-.0080		
9	LAB15	1	.0320	.0320	.03250	.1000E-05
		2	.0340	.0320		
10	LAB20	1	.0320	.0330	.03200	.6667E-06
		2	.0310	.0320		
11	LAB21	1	.0340	.0340	.03350	.3333E-06
		2	.0330	.0330		
12	LAB22	1	.0320	.0320	.03200	0.
		2	.0320	.0320		
13	LAB23	1	-.0320	-.0260	-.02825	.8250E-05
		2	-.0260	-.0290		
14	LAB31	1	.0230	.0220	.02125	.4917E-05
		2	.0180	.0220		
15	LAB33	1	.0330	.0350	.03450	.1667E-05
		2	.0340	.0360		
16	LAB35	1	.0220	.0210	.02175	.9167E-06
		2	.0230	.0210		
17	LAB41	1	.0330	.0320	.03225	.9167E-06
		2	.0330	.0310		
18	LAB13	1	-.0450	-.0430	-.04300	.2667E-05
		2	-.0430	-.0410		
19	LAB16	1	.0310	.0310	.03050	.3333E-06
		2	.0300	.0300		
20	LAB18	1	.0330	.0350	.03325	.1583E-05
		2	.0330	.0320		
21	LAB21	1	.0320	.0320	.03225	.2500E-06
		2	.0320	.0330		
22	LAB22	1	.0330	.0330	.03275	.2500E-06
		2	.0320	.0330		
23	LAB25	1	.0300	.0350	.03250	.4333E-05
		2	.0320	.0330		
24	LAB26	1	.0290	.0280	.02825	.2917E-05
		2	.0260	.0300		
25	LAB33	1	.0370	.0360	.03650	.3333E-06
		2	.0370	.0360		
26	LAB40	1	.0330	.0320	.03250	.3333E-06
		2	.0320	.0330		

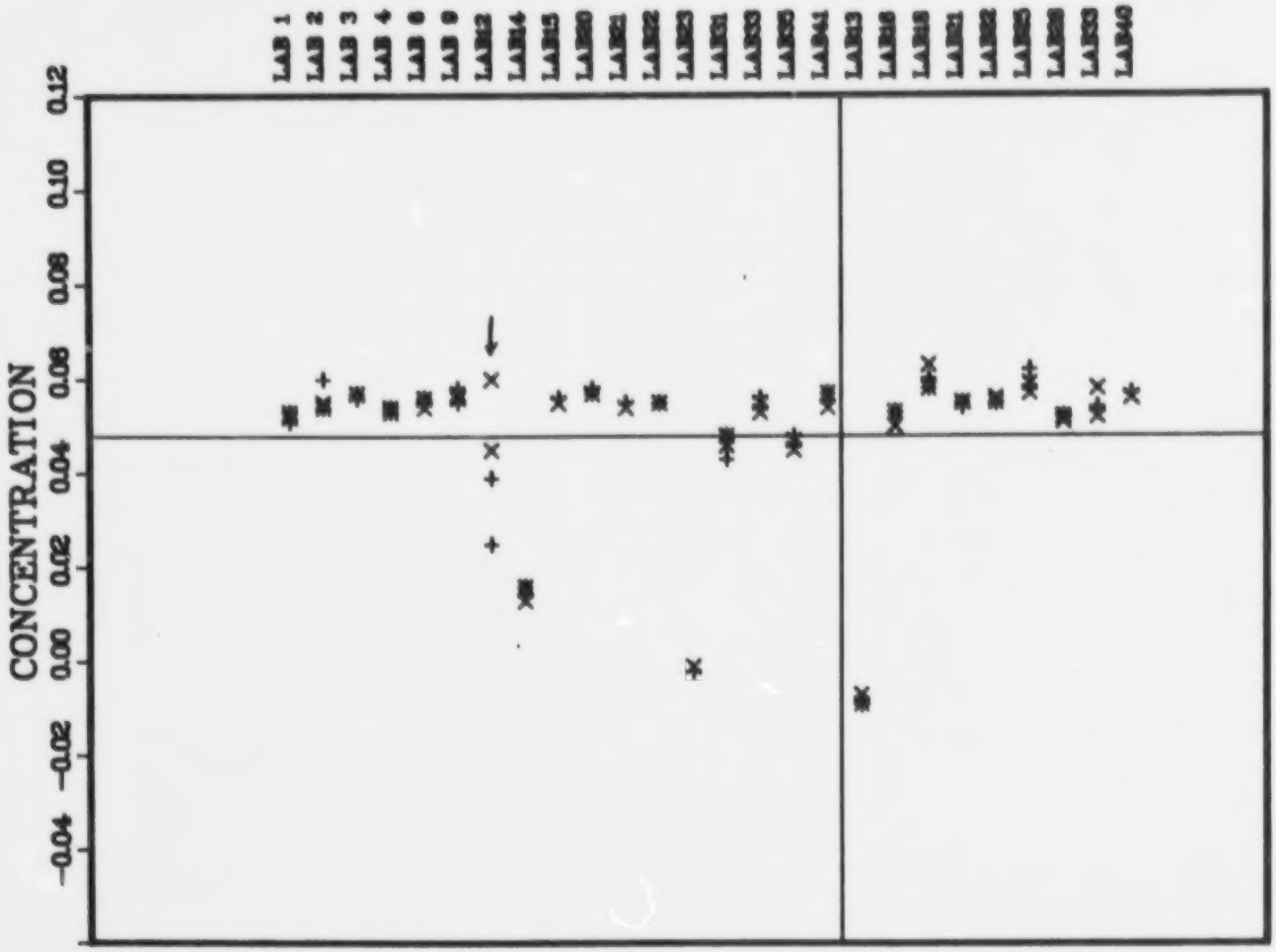


Figure 2. Mn 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

SAMPLE: 83-17 LOSS CORRECTED ALPHA

Table 2. Mn 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 93-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0520	.0530	.05225	.9167E-06
		2	.0510	.0530		
2	LAB 2	1	.0550	.0540	.05575	.8250E-05
		2	.0540	.0600		
3	LAB 3	1	.0570	.0570	.05675	.2500E-06
		2	.0570	.0560		
4	LAB 4	1	.0540	.0530	.05350	.3333E-06
		2	.0530	.0540		
5	LAB 6	1	.0560	.0540	.05525	.9167E-06
		2	.0560	.0550		
6	LAB 9	1	.0560	.0570	.05650	.1667E-05
		2	.0550	.0580		
7	LAB12	1	.0600	.0450	.04225	.2103E-03
		2	.0390	.0250		
8	LAB14	1	.0130	.0160	.01475	.2250E-05
		2	.0140	.0160		
9	LAB15	1	.0550	.0550	.05550	.3333E-06
		2	.0560	.0560		
10	LAB20	1	.0570	.0570	.05725	.2500E-06
		2	.0570	.0580		
11	LAB21	1	.0540	.0540	.05450	.3333E-06
		2	.0550	.0550		
12	LAB22	1	.0550	.0550	.05500	0.
		2	.0550	.0550		
13	LAB23	1	-.0010	-.0010	-.00150	.3333E-06
		2	-.0020	-.0020		
14	LAB31	1	.0460	.0480	.04625	.5583E-05
		2	.0430	.0480		
15	LAB33	1	.0530	.0550	.05450	.1667E-05
		2	.0540	.0560		
16	LAB35	1	.0470	.0450	.04650	.1667E-05
		2	.0480	.0460		
17	LAB41	1	.0570	.0540	.05575	.2250E-05
		2	.0570	.0550		
18	LAB13	1	-.0090	-.0070	-.00850	.1000E-05
		2	-.0090	-.0090		
19	LAB16	1	.0500	.0530	.05225	.2250E-05
		2	.0530	.0530		
20	LAB18	1	.0630	.0580	.05975	.5583E-05
		2	.0600	.0580		
21	LAB21	1	.0550	.0550	.05475	.2500E-06
		2	.0550	.0540		
22	LAB22	1	.0560	.0550	.05525	.2500E-06
		2	.0550	.0550		
23	LAB25	1	.0570	.0590	.05900	.4667E-05
		2	.0580	.0620		
24	LAB26	1	.0520	.0510	.05175	.2500E-06
		2	.0520	.0520		
25	LAB33	1	.0580	.0520	.05425	.6917E-05
		2	.0540	.0530		
26	LAB40	1	.0560	.0560	.05650	.3333E-06
		2	.0570	.0570		

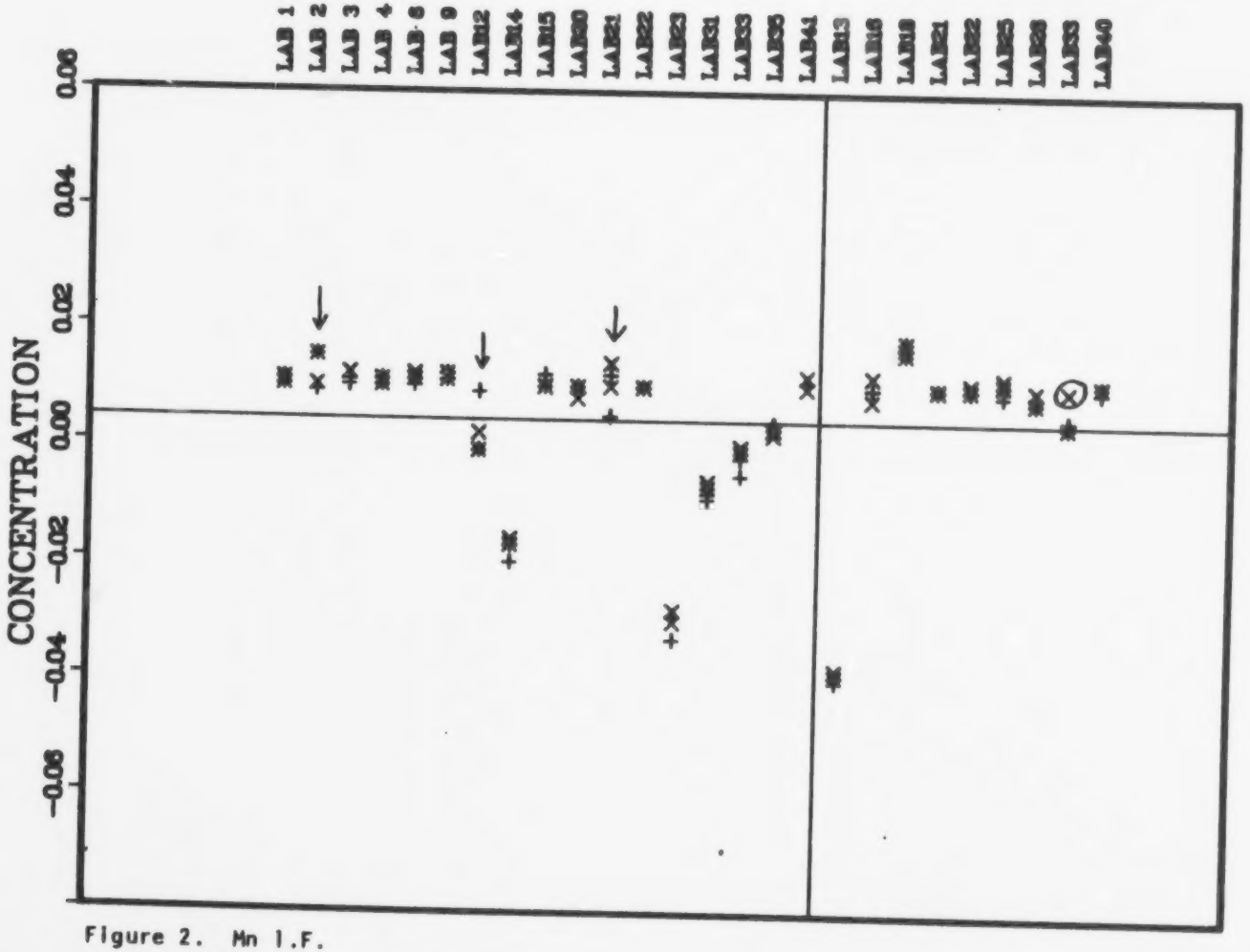


Figure 2. Mn I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

SAMPLE: 77-8 LOSS ON FUSION CORRECTED

Table 2. Mn I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MM
SAMPLE: 77-3 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0100	.0110	.01050	.3333E-06
		2	.0100	.0110		
2	LAB 2	1	.0100	.0150	.01225	.1025E-04
		2	.0150	.0090		
3	LAB 3	1	.0120	.0120	.01125	.9167E-06
		2	.0110	.0100		
4	LAB 4	1	.0110	.0100	.01050	.3333E-06
		2	.0100	.0110		
5	LAB 6	1	.0120	.0110	.01100	.6667E-06
		2	.0100	.0110		
6	LAB 9	1	.0110	.0120	.01150	.3333E-06
		2	.0110	.0120		
7	LAB12	1	.0020	-.0010	.00225	.2225E-04
		2	.0090	-.0010		
8	LAB14	1	-.0170	-.0160	-.01750	.3000E-05
		2	-.0200	-.0170		
9	LAB15	1	.0100	.0100	.01050	.1000E-05
		2	.0100	.0120		
10	LAB20	1	.0080	.0100	.00925	.9167E-06
		2	.0090	.0100		
11	LAB21	1	.0100	.0140	.01025	.1492E-04
		2	.0050	.0120		
12	LAB22	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
13	LAB23	1	-.0300	-.0280	-.03000	.4667E-05
		2	-.0330	-.0290		
14	LAB31	1	-.0060	-.0070	-.00750	.1667E-05
		2	-.0080	-.0090		
15	LAB33	1	-.0010	0.0000	-.00200	.4667E-05
		2	-.0020	-.0050		
16	LAB35	1	.0030	.0020	.00325	.9167E-06
		2	.0040	.0040		
17	LAB41	1	.0120	.0100	.01100	.6667E-06
		2	.0110	.0110		
18	LAB13	1	-.0380	-.0390	-.03900	.6667E-06
		2	-.0400	-.0390		
19	LAB16	1	.0080	.0120	.01000	.2667E-05
		2	.0100	.0100		
20	LAB18	1	.0180	.0160	.01700	.1333E-05
		2	.0180	.0160		
21	LAB21	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
22	LAB22	1	.0100	.0110	.01025	.2500E-06
		2	.0100	.0100		
23	LAB25	1	.0110	.0120	.01050	.1667E-05
		2	.0090	.0100		
24	LAB26	1	.0080	.0100	.00850	.1000E-05
		2	.0080	.0080		
25	LAB33	1	.0040	.0100	.00575	.8250E-05
		2	.0050	.0040		
26	LAB40	1	.0110	.0110	.01075	.2500E-06
		2	.0110	.0100		

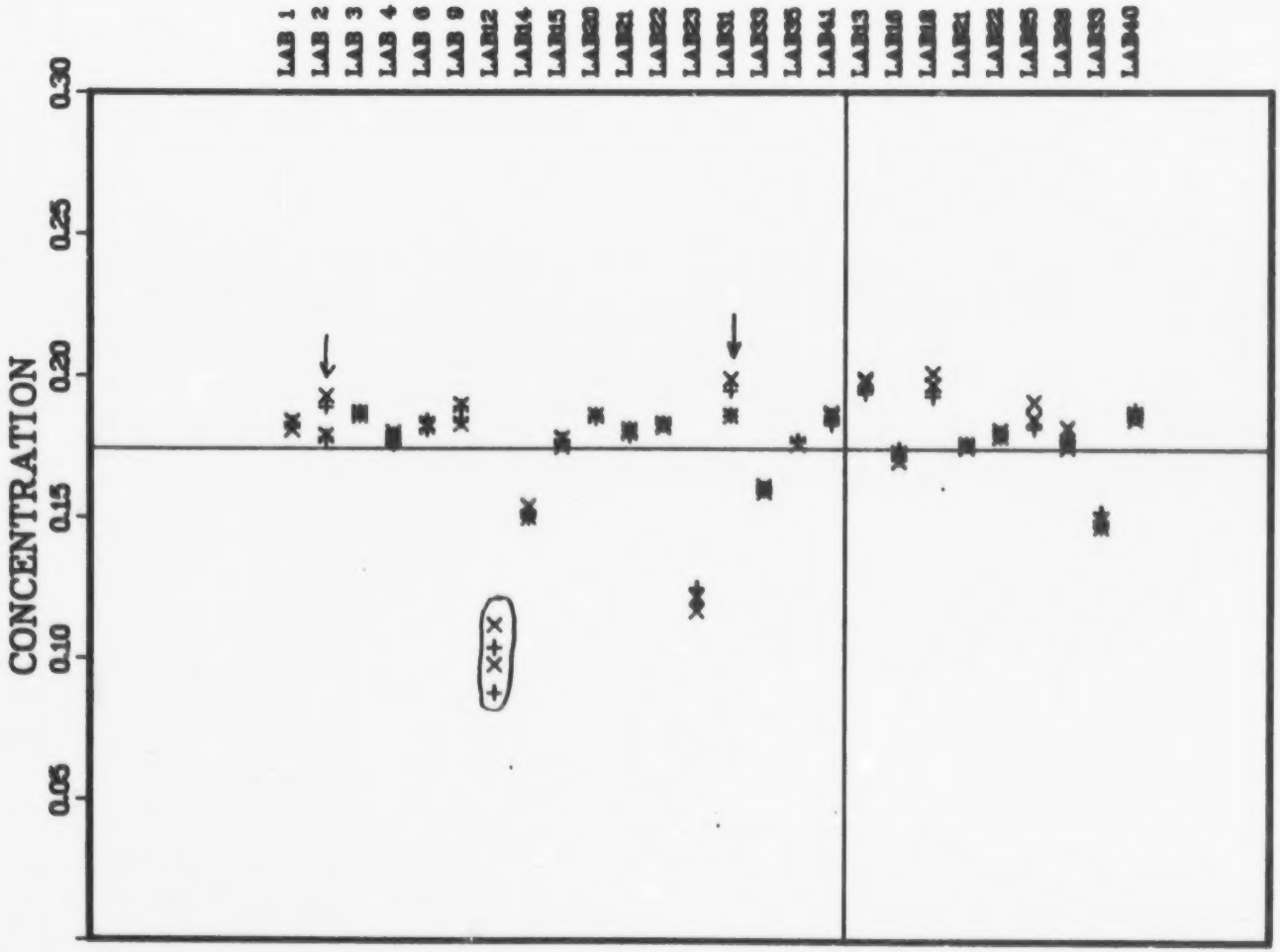


Figure 2. Mn 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

SAMPLE: 79-4 LOSS ON FUSION CORRECTED

Table 2. Mn 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1810	.1840	.18275	.1583E-05
		2	.1830	.1830		
2	LAB 2	1	.1790	.1930	.18475	.5492E-04
		2	.1890	.1780		
3	LAB 3	1	.1860	.1870	.18650	.3333E-06
		2	.1860	.1870		
4	LAB 4	1	.1780	.1800	.17825	.2917E-05
		2	.1790	.1760		
5	LAB 6	1	.1820	.1830	.18250	.1667E-05
		2	.1840	.1810		
6	LAB 9	1	.1830	.1900	.18650	.1233E-04
		2	.1840	.1890		
7	LAB12	1	.1120	.0980	.10050	.1023E-03
		2	.1040	.0880		
8	LAB14	1	.1500	.1540	.15125	.3583E-05
		2	.1510	.1500		
9	LAB15	1	.1780	.1750	.17650	.1667E-05
		2	.1770	.1760		
10	LAB20	1	.1860	.1860	.18575	.2500E-06
		2	.1850	.1860		
11	LAB21	1	.1800	.1810	.18025	.9167E-06
		2	.1790	.1810		
12	LAB22	1	.1830	.1820	.18275	.2500E-06
		2	.1830	.1830		
13	LAB23	1	.1170	.1220	.12075	.1225E-04
		2	.1190	.1250		
14	LAB31	1	.1860	.1990	.19150	.4300E-04
		2	.1950	.1860		
15	LAB33	1	.1590	.1610	.16000	.6667E-06
		2	.1600	.1600		
16	LAB35	1	.1760	.1760	.17650	.3333E-06
		2	.1770	.1770		
17	LAB41	1	.1870	.1860	.18550	.3000E-05
		2	.1860	.1830		
18	LAB13	1	.1990	.1980	.19650	.5667E-05
		2	.1940	.1950		
19	LAB16	1	.1700	.1730	.17200	.3333E-05
		2	.1710	.1740		
20	LAB18	1	.2010	.1970	.19650	.1167E-04
		2	.1950	.1930		
21	LAB21	1	.1760	.1750	.17575	.2500E-06
		2	.1760	.1760		
22	LAB22	1	.1790	.1810	.17975	.9167E-06
		2	.1790	.1800		
23	LAB25	1	.1910	.1850	.18525	.1625E-04
		2	.1830	.1820		
24	LAB26	1	.1750	.1820	.17775	.9583E-05
		2	.1760	.1780		
25	LAB33	1	.1500	.1470	.14900	.6000E-05
		2	.1520	.1470		
26	LAB40	1	.1870	.1850	.18650	.1667E-05
		2	.1860	.1880		

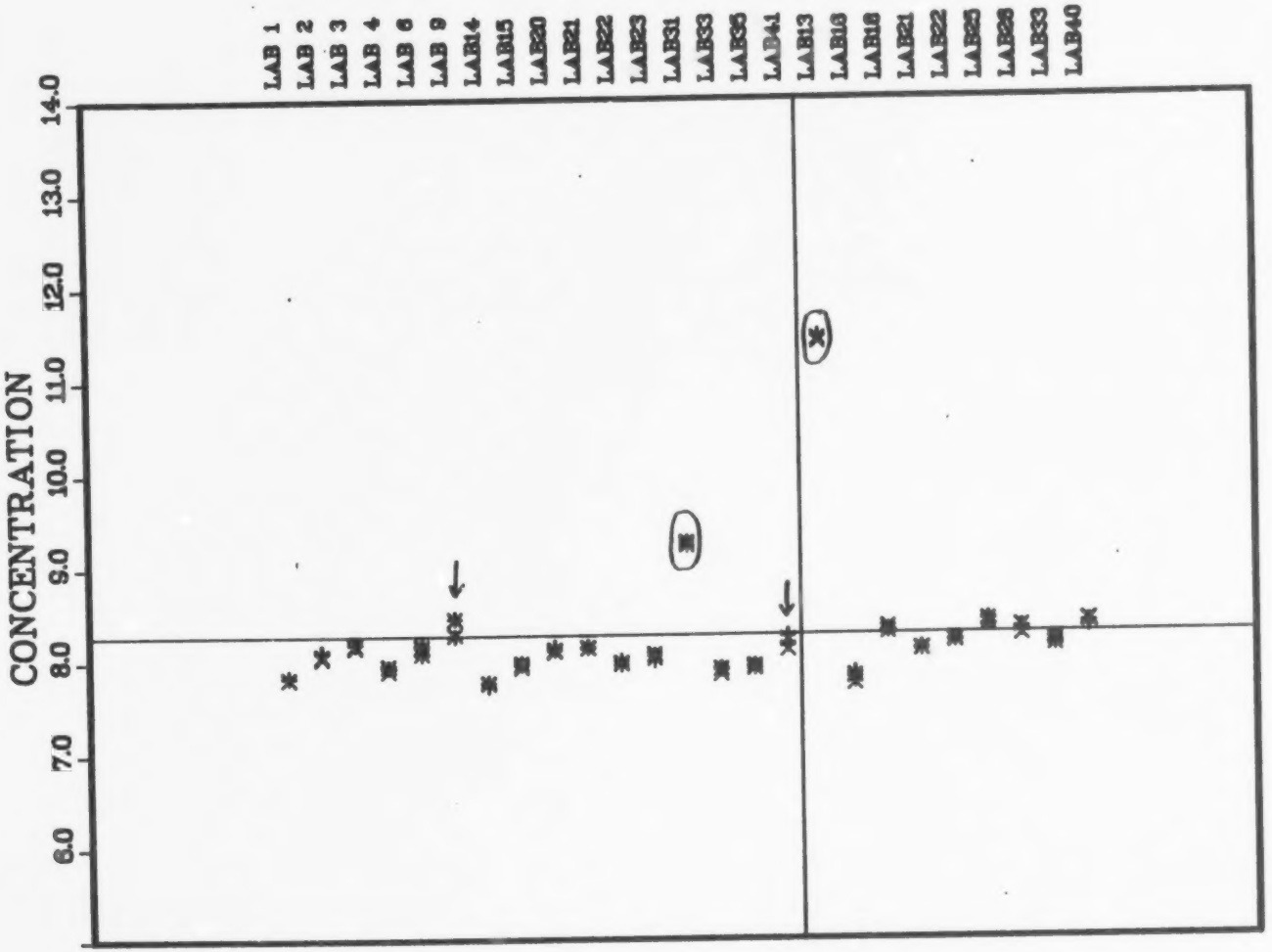


Figure 2. Mn 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MN

SAMPLE 79–13 LOSS ON FUSION CORRECTED

Table 2. Mn 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	7.8230	7.8210	7.83125	.1229E-03
		2	7.8370	7.8440		
2	LAB 2	1	8.0400	8.0670	8.07900	.9967E-03
		2	8.1010	8.1080		
3	LAB 3	1	8.1550	8.1820	8.17975	.2903E-03
		2	8.1910	8.1910		
4	LAB 4	1	7.9560	7.9010	7.93375	.5416E-03
		2	7.9380	7.9400		
5	LAB 6	1	8.1620	8.0870	8.12700	.2714E-02
		2	8.1810	8.0780		
6	LAB 9	1	8.2840	8.4530	8.36475	.1105E-01
		2	8.2640	8.4580		
7	LAB14	1	7.7710	7.7650	7.76200	.3207E-03
		2	7.7760	7.7360		
8	LAB15	1	7.9380	7.9750	7.96325	.3556E-03
		2	7.9600	7.9800		
9	LAB20	1	8.1040	8.1200	8.12300	.3540E-03
		2	8.1490	8.1190		
10	LAB21	1	8.1360	8.1430	8.14175	.4758E-04
		2	8.1370	8.1510		
11	LAB22	1	7.9690	7.9800	7.97600	.3033E-03
		2	7.9980	7.9570		
12	LAB23	1	8.0240	8.0680	8.03600	.1056E-02
		2	7.9960	8.0560		
13	LAB31	1	9.2630	9.2310	9.24650	.3637E-03
		2	9.2630	9.2290		
14	LAB33	1	7.8540	7.9070	7.89250	.6737E-03
		2	7.9000	7.9090		
15	LAB35	1	7.9120	7.9380	7.92475	.2529E-03
		2	7.9100	7.9390		
16	LAB41	1	8.2150	8.1090	8.18175	.4161E-02
		2	8.2530	8.1500		
17	LAB13	1	11.4320	11.3930	11.43475	.9243E-03
		2	11.4610	11.4530		
18	LAB16	1	7.7430	7.8190	7.79375	.2500E-02
		2	7.7620	7.8510		
19	LAB18	1	8.3370	8.2870	8.30800	.4387E-03
		2	8.3050	8.3030		
20	LAB21	1	8.1020	8.1010	8.10275	.6892E-04
		2	8.0940	8.1140		
21	LAB22	1	8.1810	8.2020	8.19075	.9825E-04
		2	8.1840	8.1960		
22	LAB25	1	8.3540	8.4040	8.38125	.9649E-03
		2	8.3550	8.4120		
23	LAB26	1	8.2490	8.3340	8.29625	.1501E-02
		2	8.2810	8.3210		
24	LAB33	1	8.1870	8.1380	8.15925	.4809E-03
		2	8.1660	8.1460		
25	LAB40	1	8.3890	8.3930	8.37100	.8027E-03
		2	8.3710	8.3310		

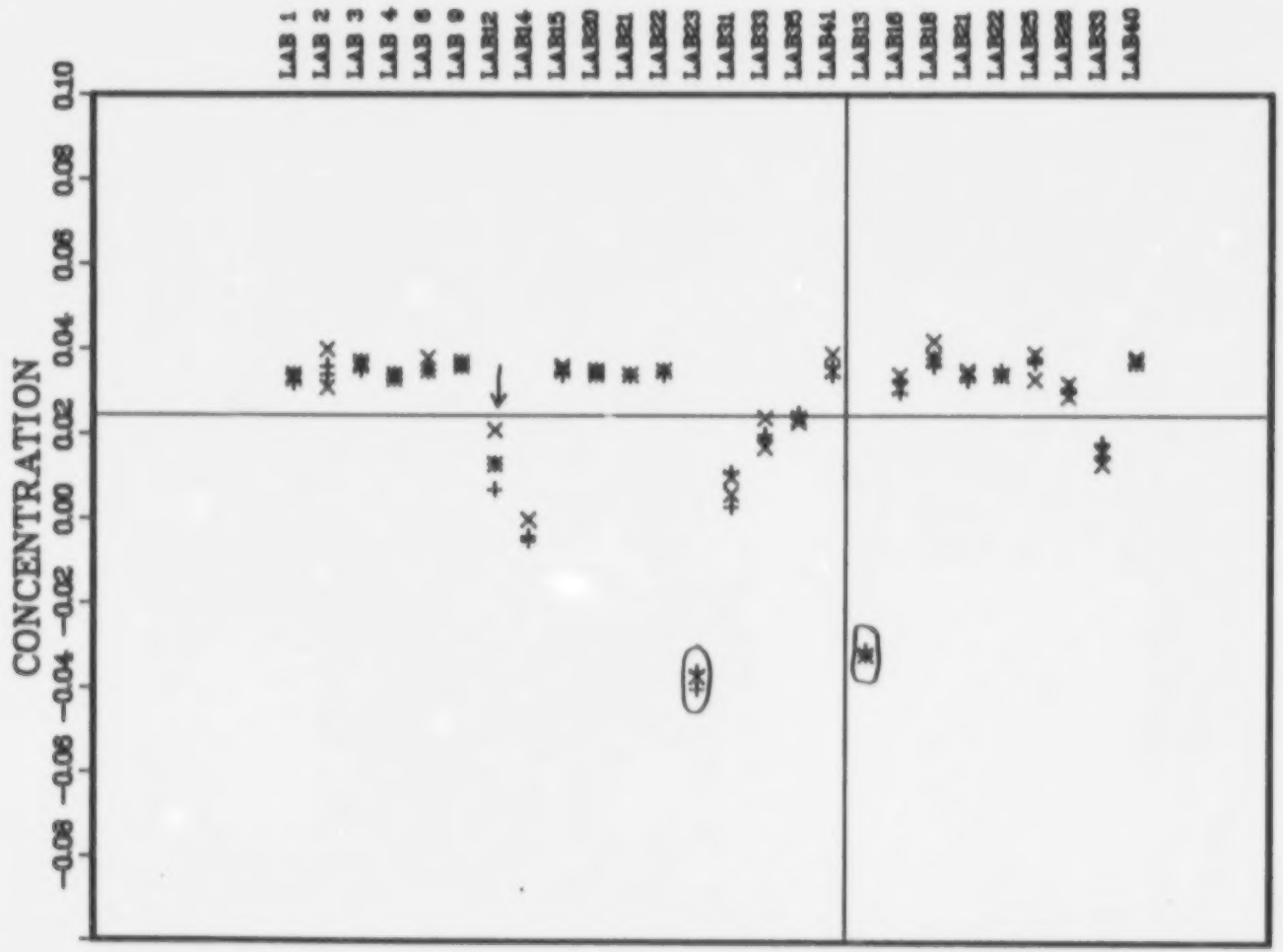


Figure 2. Mn 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

SAMPLE: 83-1 LOSS ON FUSION CORRECTED

Table 2. Mn 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0330	.0340	.03325	.9167E-06
		2	.0320	.0340		
2	LAB 2	1	.0310	.0400	.03525	.1425E-04
		2	.0340	.0360		
3	LAB 3	1	.0370	.0360	.03625	.9167E-06
		2	.0370	.0350		
4	LAB 4	1	.0330	.0340	.03350	.3333E-06
		2	.0340	.0330		
5	LAB 6	1	.0380	.0350	.03575	.2250E-05
		2	.0350	.0350		
6	LAB 9	1	.0360	.0370	.03650	.3333E-06
		2	.0360	.0370		
7	LAB12	1	.0210	.0130	.01350	.3300E-04
		2	.0130	.0070		
8	LAB14	1	0.0000	0.0000	-.00225	.6917E-05
		2	-.0050	-.0040		
9	LAB15	1	.0350	.0360	.03500	.6667E-06
		2	.0350	.0340		
10	LAB20	1	.0340	.0350	.03450	.3333E-06
		2	.0340	.0350		
11	LAB21	1	.0340	.0340	.03400	0.
		2	.0340	.0340		
12	LAB22	1	.0350	.0350	.03475	.2500E-06
		2	.0350	.0340		
13	LAB23	1	-.0370	-.0370	-.03750	.3000E-05
		2	-.0400	-.0360		
14	LAB31	1	.0060	.0100	.00750	.1367E-04
		2	.0110	.0030		
15	LAB33	1	.0170	.0240	.02000	.8667E-05
		2	.0200	.0190		
16	LAB35	1	.0240	.0230	.02400	.6667E-06
		2	.0250	.0240		
17	LAB41	1	.0390	.0350	.03600	.4667E-05
		2	.0360	.0340		
18	LAB13	1	-.0320	-.0320	-.03175	.2500E-06
		2	-.0310	-.0320		
19	LAB16	1	.0310	.0340	.03200	.3333E-05
		2	.0300	.0330		
20	LAB18	1	.0380	.0420	.03850	.6333E-05
		2	.0380	.0360		
21	LAB21	1	.0350	.0340	.03375	.9167E-06
		2	.0330	.0330		
22	LAB22	1	.0340	.0340	.03425	.2500E-06
		2	.0340	.0350		
23	LAB25	1	.0330	.0390	.03675	.6917E-05
		2	.0380	.0370		
24	LAB26	1	.0290	.0320	.03050	.1667E-05
		2	.0310	.0300		
25	LAB33	1	.0160	.0130	.01550	.4333E-05
		2	.0150	.0180		
26	LAB40	1	.0370	.0380	.03725	.2500E-06
		2	.0370	.0370		

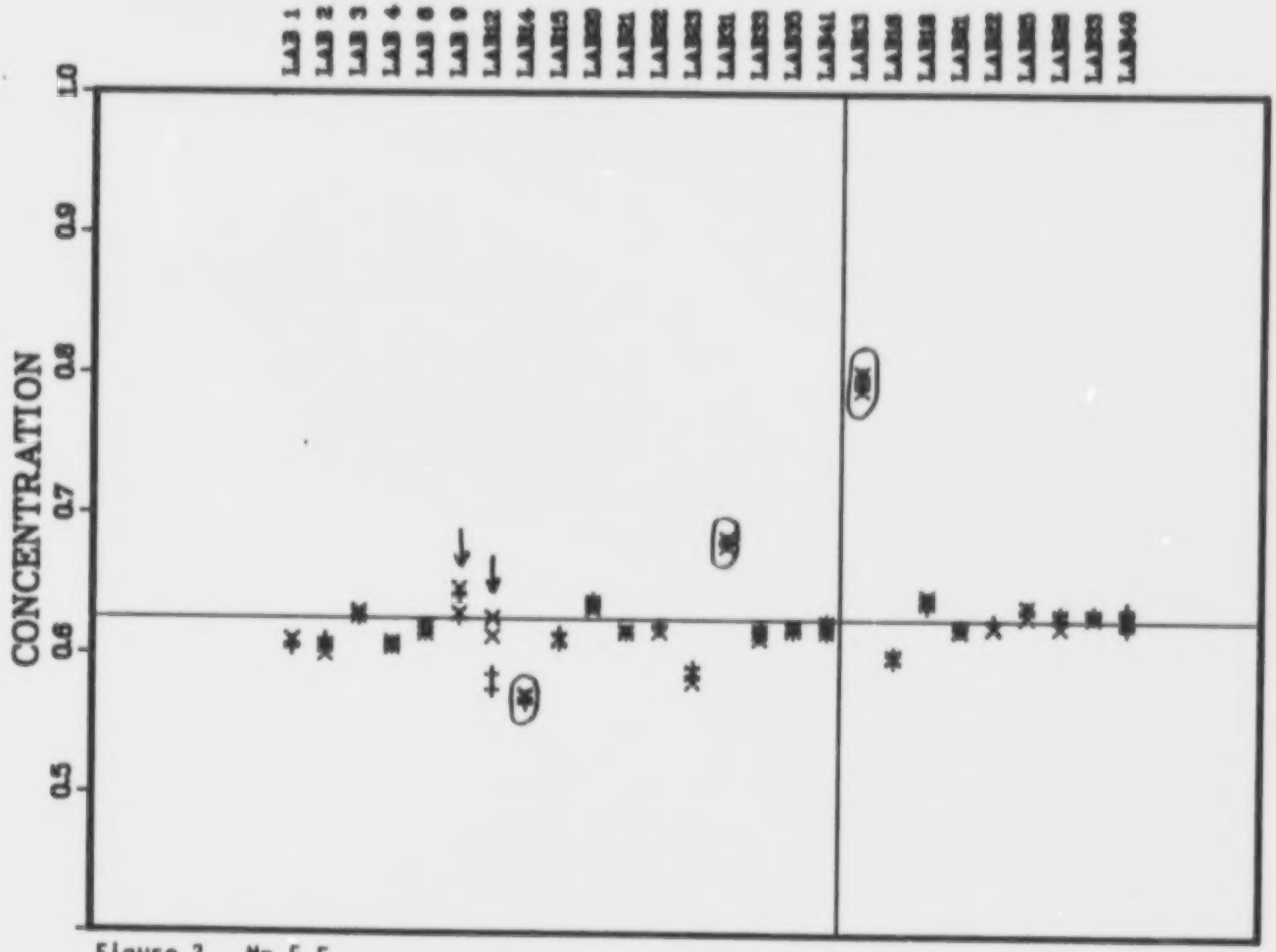


Figure 2. Mn S.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MN

SAMPLE: 83-9 LOSS ON FUSION CORRECTED

Table 2. Mn S.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.6100	.6100	.60775	.8250E-05
		2	.6070	.6040		
2	LAB 2	1	.6060	.6000	.60575	.1758E-04
		2	.6070	.6100		
3	LAB 3	1	.6270	.6300	.62750	.3000E-05
		2	.6270	.6260		
4	LAB 4	1	.6050	.6080	.60625	.2250E-05
		2	.6050	.6070		
5	LAB 6	1	.6190	.6150	.61700	.5333E-05
		2	.6190	.6150		
6	LAB 9	1	.6290	.6470	.63600	.1020E-03
		2	.6260	.6420		
7	LA812	1	.6260	.6130	.60000	.5553E-03
		2	.5860	.5750		
8	LA814	1	.5710	.5700	.56875	.6917E-05
		2	.5690	.5650		
9	LA815	1	.6100	.6110	.61100	.8667E-05
		2	.6150	.6080		
10	LA820	1	.6370	.6330	.63600	.6667E-05
		2	.6390	.6350		
11	LA821	1	.6170	.6160	.61625	.2500E-06
		2	.6160	.6160		
12	LA822	1	.6170	.6170	.61850	.3667E-05
		2	.6210	.6190		
13	LA823	1	.5810	.5880	.58625	.1825E-04
		2	.5850	.5910		
14	LA831	1	.6780	.6830	.68050	.4333E-05
		2	.6810	.6800		
15	LA833	1	.6120	.6170	.61500	.8667E-05
		2	.6130	.6180		
16	LA835	1	.6180	.6200	.61850	.1667E-05
		2	.6170	.6190		
17	LA841	1	.6230	.6170	.62000	.1667E-04
		2	.6240	.6160		
18	LA813	1	.7890	.8010	.79525	.3758E-04
		2	.7910	.8000		
19	LA816	1	.5990	.5990	.59875	.4250E-05
		2	.5960	.6010		
20	LA818	1	.6420	.6380	.63875	.8917E-05
		2	.6400	.6350		
21	LA821	1	.6190	.6180	.61925	.1583E-05
		2	.6210	.6190		
22	LA822	1	.6210	.6200	.62275	.6917E-05
		2	.6250	.6250		
23	LA825	1	.6280	.6350	.63250	.9667E-05
		2	.6330	.6340		
24	LA826	1	.6210	.6290	.62700	.1867E-04
		2	.6270	.6310		
25	LA833	1	.6290	.6280	.62925	.1583E-05
		2	.6310	.6290		
26	LA840	1	.6250	.6270	.62650	.3367E-04
		2	.6200	.6340		

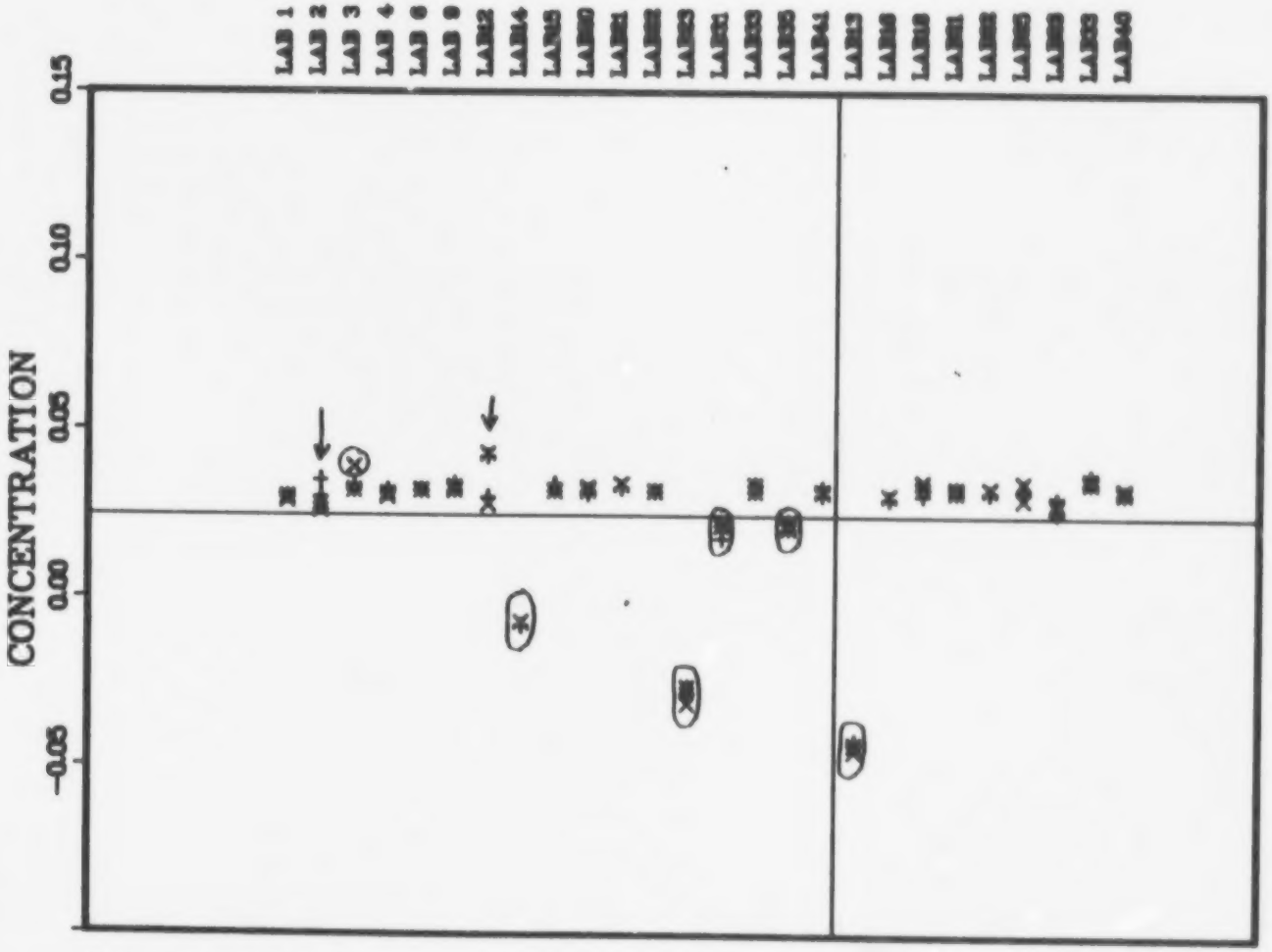


Figure 2. Mn 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

SAMPLE 83-16 LOSS ON FUSION CORRECTED

Table 2. Mn 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0290	.0300	.02975	.2500E-06
		2	.0300	.0300		
2	LAB 2	1	.0280	.0260	.02975	.1492E-04
		2	.0300	.0350		
3	LAB 3	1	.0390	.0320	.03400	.1133E-04
		2	.0330	.0320		
4	LAB 4	1	.0310	.0300	.03100	.6667E-06
		2	.0320	.0310		
5	LAB 6	1	.0320	.0320	.03200	0.
		2	.0320	.0320		
6	LAB 9	1	.0320	.0330	.03275	.9167E-06
		2	.0320	.0340		
7	LAB12	1	.0430	.0280	.03575	.6158E-04
		2	.0420	.0300		
8	LAB14	1	-.0070	-.0070	-.00750	.3333E-06
		2	-.0080	-.0080		
9	LAB15	1	.0320	.0320	.03250	.1000E-05
		2	.0340	.0320		
10	LAB20	1	.0320	.0330	.03200	.6667E-06
		2	.0310	.0320		
11	LAB21	1	.0340	.0340	.03350	.3333E-06
		2	.0330	.0330		
12	LAB22	1	.0320	.0320	.03200	0.
		2	.0320	.0320		
13	LAB23	1	-.0310	-.0260	-.02775	.5583E-05
		2	-.0260	-.0280		
14	LAB31	1	.0220	.0220	.02100	.4000E-05
		2	.0180	.0220		
15	LAB33	1	.0320	.0340	.03300	.1333E-05
		2	.0320	.0340		
16	LAB35	1	.0220	.0210	.02175	.9167E-06
		2	.0230	.0210		
17	LAB41	1	.0320	.0320	.03200	.6667E-06
		2	.0330	.0310		
18	LAB13	1	-.0450	-.0430	-.04325	.1583E-05
		2	-.0430	-.0420		
19	LAB16	1	.0310	.0310	.03050	.3333E-06
		2	.0300	.0300		
20	LAB18	1	.0330	.0350	.03300	.2667E-05
		2	.0330	.0310		
21	LAB21	1	.0320	.0330	.03250	.3333E-06
		2	.0320	.0330		
22	LAB22	1	.0330	.0330	.03250	.3333E-06
		2	.0320	.0320		
23	LAB25	1	.0300	.0350	.03250	.4333E-05
		2	.0320	.0330		
24	LAB26	1	.0290	.0280	.02825	.2917E-05
		2	.0260	.0300		
25	LAB33	1	.0360	.0350	.03575	.9167E-06
		2	.0370	.0350		
26	LAB40	1	.0330	.0320	.03225	.2500E-06
		2	.0320	.0320		

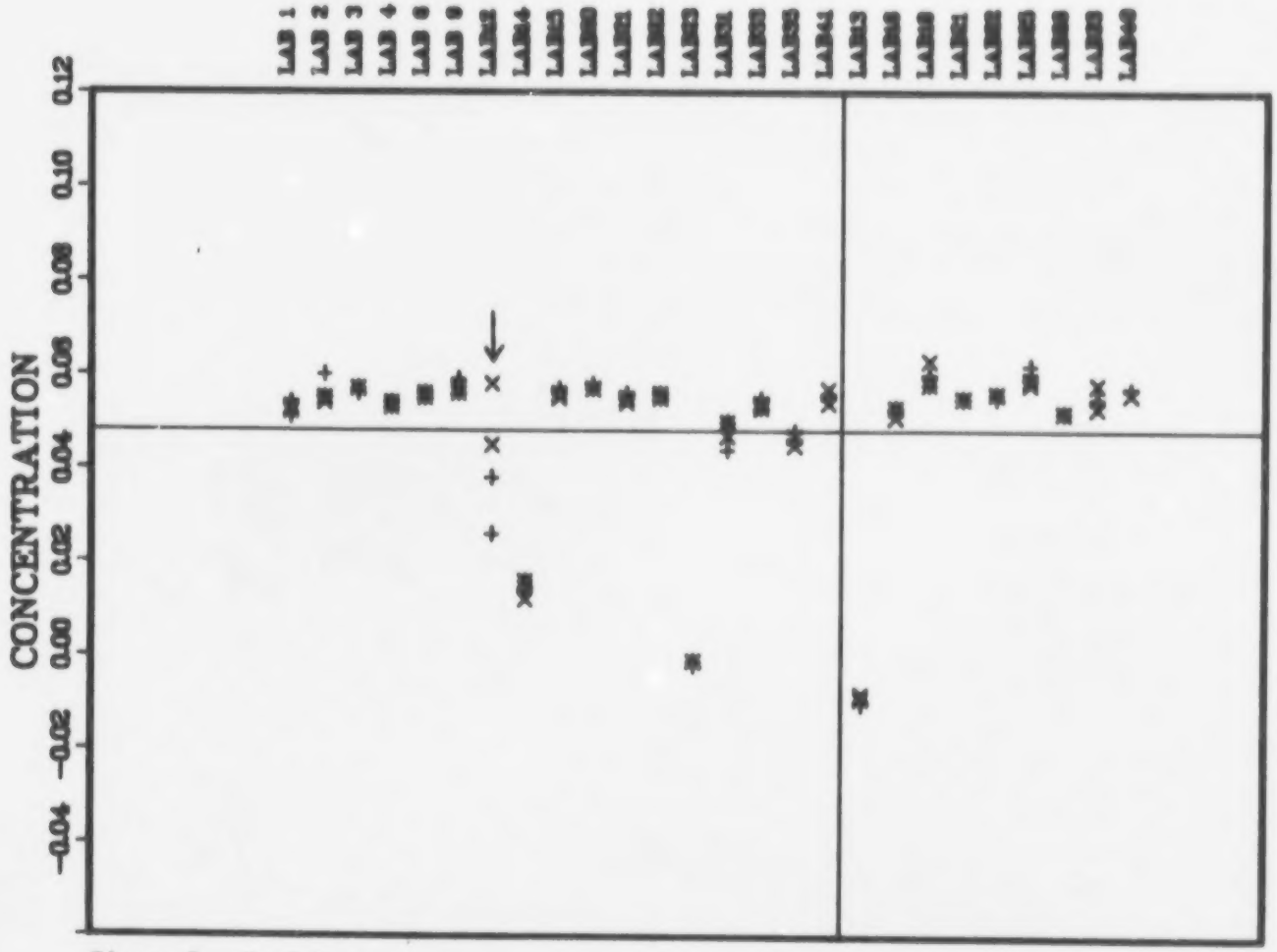


Figure 2. Mn 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN

SAMPLE 83-17 LOSS ON FUSION CORRECTED

Table 2. Mn 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MN
SAMPLE: 83-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0520	.0530	.05250	.1667E-05
		2	.0510	.0540		
2	LAB 2	1	.0550	.0540	.05600	.7333E-05
		2	.0550	.0600		
3	LAB 3	1	.0570	.0570	.05675	.2500E-06
		2	.0570	.0560		
4	LAB 4	1	.0540	.0530	.05350	.3333E-06
		2	.0530	.0540		
5	LAB 6	1	.0560	.0550	.05550	.3333E-06
		2	.0560	.0550		
6	LAB 9	1	.0560	.0570	.05700	.2000E-05
		2	.0560	.0590		
7	LAB12	1	.0580	.0450	.04175	.1789E-03
		2	.0380	.0260		
8	LAB14	1	.0120	.0160	.01450	.3667E-05
		2	.0140	.0160		
9	LAB15	1	.0550	.0560	.05600	.6667E-06
		2	.0560	.0570		
10	LAB20	1	.0570	.0570	.05725	.2500E-06
		2	.0570	.0580		
11	LAB21	1	.0540	.0550	.05500	.6667E-06
		2	.0560	.0550		
12	LAB22	1	.0560	.0550	.05550	.3333E-06
		2	.0550	.0560		
13	LAB23	1	-.0010	-.0010	-.00125	.2500E-06
		2	-.0020	-.0010		
14	LAB31	1	.0470	.0500	.04775	.8250E-05
		2	.0440	.0500		
15	LAB33	1	.0530	.0540	.05375	.9167E-06
		2	.0530	.0550		
16	LAB35	1	.0470	.0450	.04650	.1667E-05
		2	.0480	.0460		
17	LAB41	1	.0570	.0540	.05550	.1667E-05
		2	.0560	.0550		
18	LAB13	1	-.0090	-.0080	-.00925	.9167E-06
		2	-.0100	-.0100		
19	LAB16	1	.0510	.0530	.05250	.1000E-05
		2	.0530	.0530		
20	LAB18	1	.0630	.0580	.05975	.5583E-05
		2	.0600	.0580		
21	LAB21	1	.0550	.0550	.05500	0.
		2	.0550	.0550		
22	LAB22	1	.0560	.0560	.05575	.2500E-06
		2	.0550	.0560		
23	LAB25	1	.0580	.0590	.05950	.3000E-05
		2	.0590	.0620		
24	LAB26	1	.0520	.0520	.05200	0.
		2	.0520	.0520		
25	LAB33	1	.0580	.0530	.05500	.4667E-05
		2	.0550	.0540		
26	LAB40	1	.0560	.0560	.05650	.3333E-06
		2	.0570	.0570		

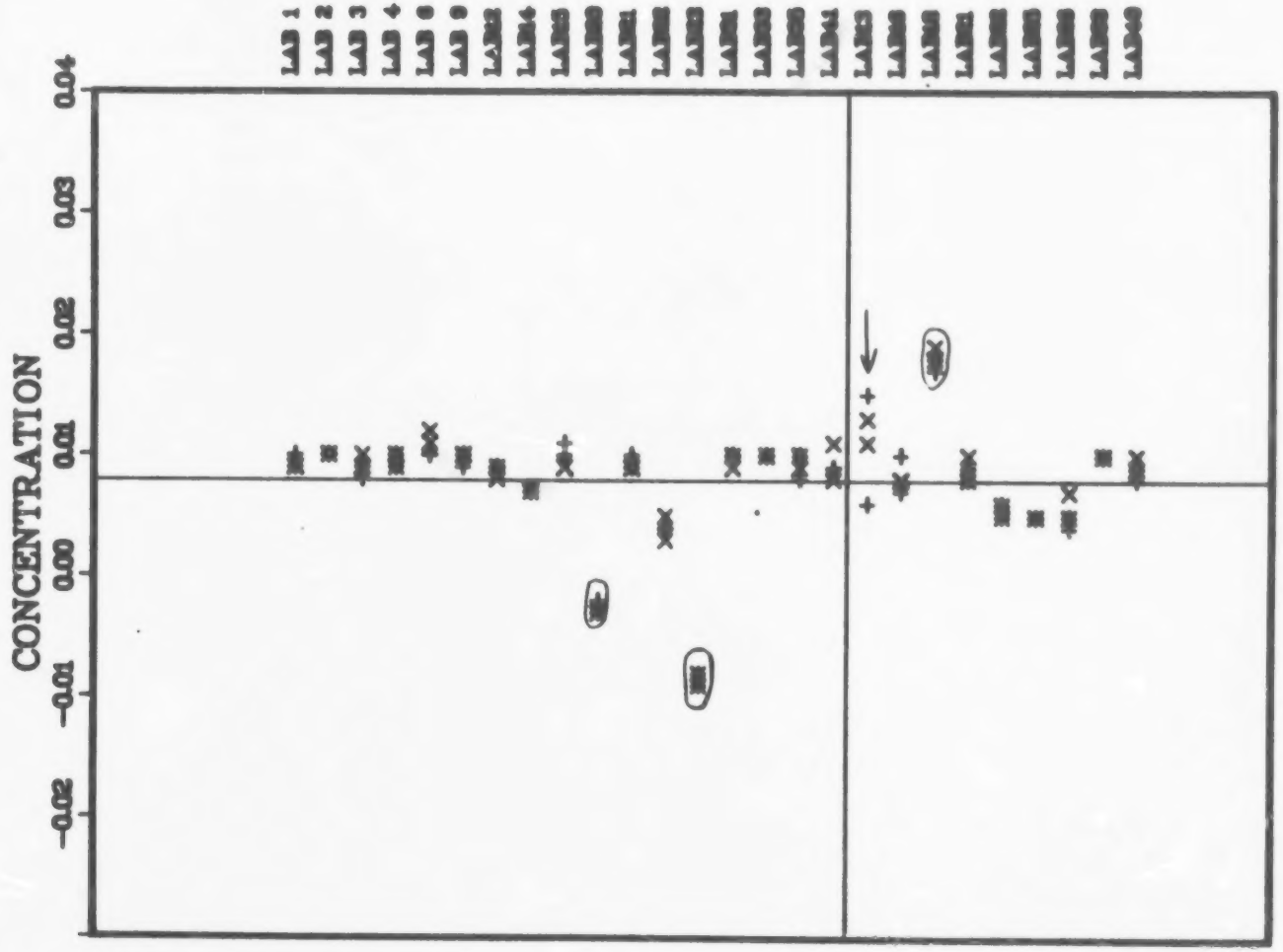


Figure 2. Ti I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 Ti

SAMPLE: 77-8 LOSS CORRECTED ALPHA

Table 2. Ti I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0090	.0090	.00925	.2500E-06
		2	.0090	.0100		
2	LAB 2	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
3	LAB 3	1	.0090	.0100	.00900	.6667E-06
		2	.0080	.0090		
4	LAB 4	1	.0090	.0100	.00950	.3333E-06
		2	.0090	.0100		
5	LAB 6	1	.0110	.0120	.01075	.9167E-06
		2	.0100	.0100		
6	LAB 9	1	.0100	.0100	.00975	.2500E-06
		2	.0100	.0090		
7	LAB12	1	.0090	.0080	.00875	.2500E-06
		2	.0090	.0090		
8	LAB14	1	.0070	.0070	.00700	0.
		2	.0070	.0070		
9	LAB15	1	.0090	.0090	.00975	.9167E-06
		2	.0100	.0110		
10	LAB20	1	-.0030	-.0030	-.00275	.2500E-06
		2	-.0020	-.0030		
11	LAB21	1	.0090	.0090	.00925	.2500E-06
		2	.0090	.0100		
12	LAB22	1	.0050	.0030	.00400	.6667E-06
		2	.0040	.0040		
13	LAB23	1	-.0080	-.0090	-.00850	.3333E-06
		2	-.0080	-.0090		
14	LAB31	1	.0100	.0090	.00975	.2500E-06
		2	.0100	.0100		
15	LAB33	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
16	LAB35	1	.0090	.0100	.00925	.9167E-06
		2	.0100	.0080		
17	LAB41	1	.0110	.0080	.00925	.1583E-05
		2	.0090	.0090		
18	LAB13	1	.0110	.0130	.01125	.1492E-04
		2	.0150	.0060		
19	LAB16	1	.0080	.0080	.00825	.1583E-05
		2	.0100	.0070		
20	LAB18	1	.0190	.0180	.01800	.6667E-06
		2	.0180	.0170		
21	LAB21	1	.0100	.0080	.00875	.9167E-06
		2	.0090	.0080		
22	LAB22	1	.0050	.0060	.00550	.3333E-06
		2	.0050	.0060		
23	LAB25	1	.0050	.0050	.00500	0.
		2	.0050	.0050		
24	LAB26	1	.0050	.0070	.00525	.1583E-05
		2	.0050	.0040		
25	LAB33	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
26	LAB40	1	.0090	.0100	.00900	.6667E-06
		2	.0090	.0080		

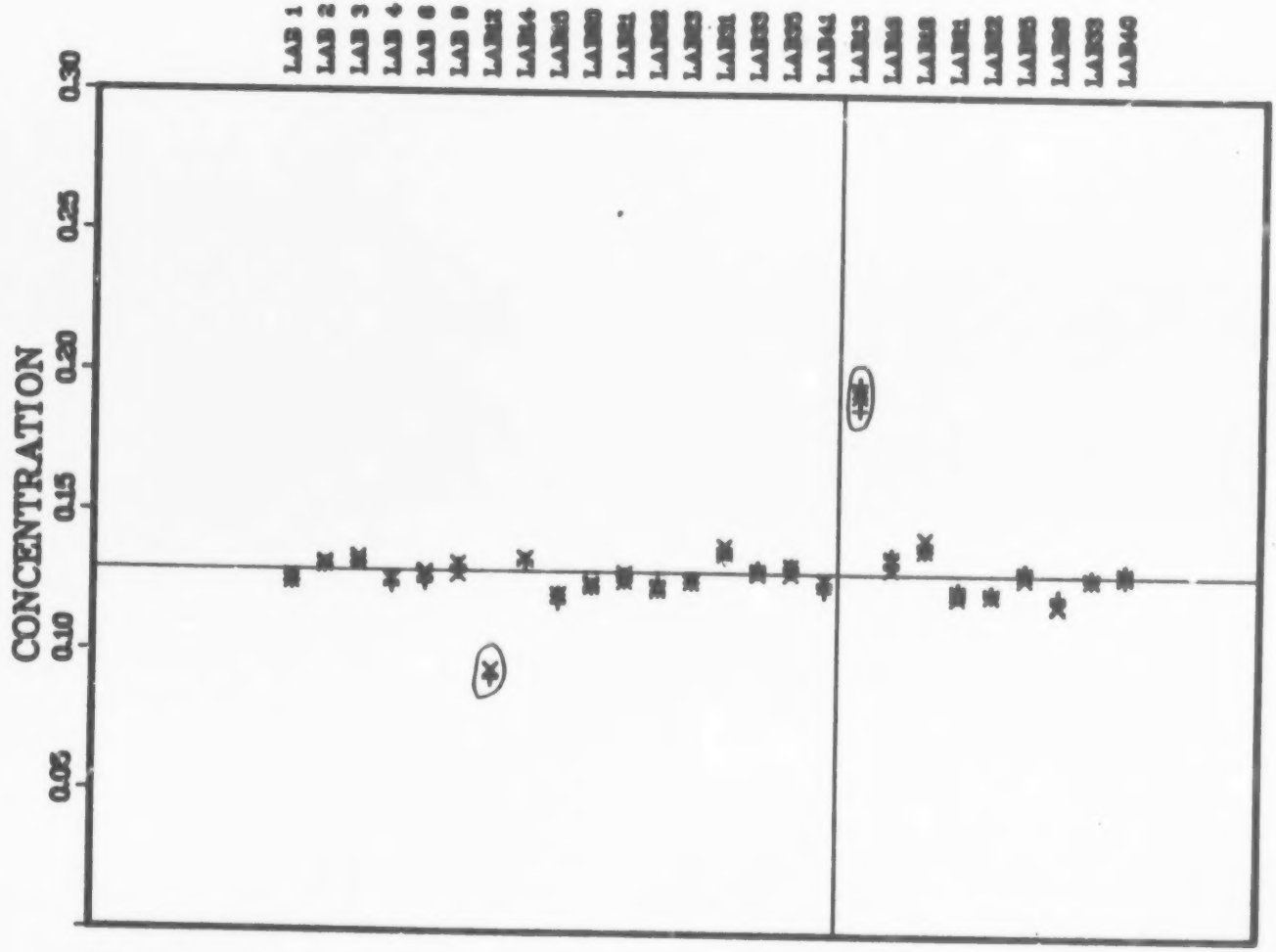


Figure 2. TI 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI

SAMPLE 79-4 LOSS CORRECTED ALPHA

Table 2. Ti 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1250	.1270	.12550	.1000E-05
		2	.1250	.1250		
2	LAB 2	1	.1310	.1320	.13125	.2500E-06
		2	.1310	.1310		
3	LAB 3	1	.1320	.1340	.13250	.1000E-05
		2	.1320	.1320		
4	LAB 4	1	.1260	.1260	.12525	.9167E-06
		2	.1250	.1240		
5	LAB 6	1	.1290	.1280	.12700	.3333E-05
		2	.1260	.1250		
6	LAB 9	1	.1280	.1320	.13000	.3333E-05
		2	.1290	.1310		
7	LAB12	1	.0940	.0940	.09275	.2250E-05
		2	.0920	.0910		
8	LAB14	1	.1340	.1340	.13350	.3333E-06
		2	.1330	.1330		
9	LAB15	1	.1210	.1210	.12025	.2250E-05
		2	.1180	.1210		
10	LAB20	1	.1250	.1240	.12425	.2500E-06
		2	.1240	.1240		
11	LAB21	1	.1260	.1290	.12725	.2250E-05
		2	.1260	.1280		
12	LAB22	1	.1230	.1240	.12375	.9167E-06
		2	.1230	.1250		
13	LAB23	1	.1260	.1260	.12600	0.
		2	.1260	.1260		
14	LAB31	1	.1390	.1360	.13650	.3000E-05
		2	.1350	.1360		
15	LAB33	1	.1300	.1290	.13000	.6667E-06
		2	.1310	.1300		
16	LAB35	1	.1290	.1320	.13075	.2250E-05
		2	.1300	.1320		
17	LAB41	1	.1270	.1270	.12575	.3583E-05
		2	.1260	.1230		
18	LAB13	1	.1930	.1950	.19325	.1492E-04
		2	.1880	.1970		
19	LAB16	1	.1350	.1310	.13350	.5667E-05
		2	.1360	.1320		
20	LAB18	1	.1420	.1380	.13900	.4000E-05
		2	.1380	.1380		
21	LAB21	1	.1230	.1210	.12250	.1667E-05
		2	.1240	.1220		
22	LAB22	1	.1220	.1220	.12225	.2500E-06
		2	.1220	.1230		
23	LAB25	1	.1280	.1300	.12975	.1583E-05
		2	.1300	.1310		
24	LAB26	1	.1190	.1180	.11975	.2917E-05
		2	.1200	.1220		
25	LAB33	1	.1280	.1280	.12825	.2500E-06
		2	.1290	.1280		
26	LAB40	1	.1300	.1290	.12950	.1667E-05
		2	.1280	.1310		

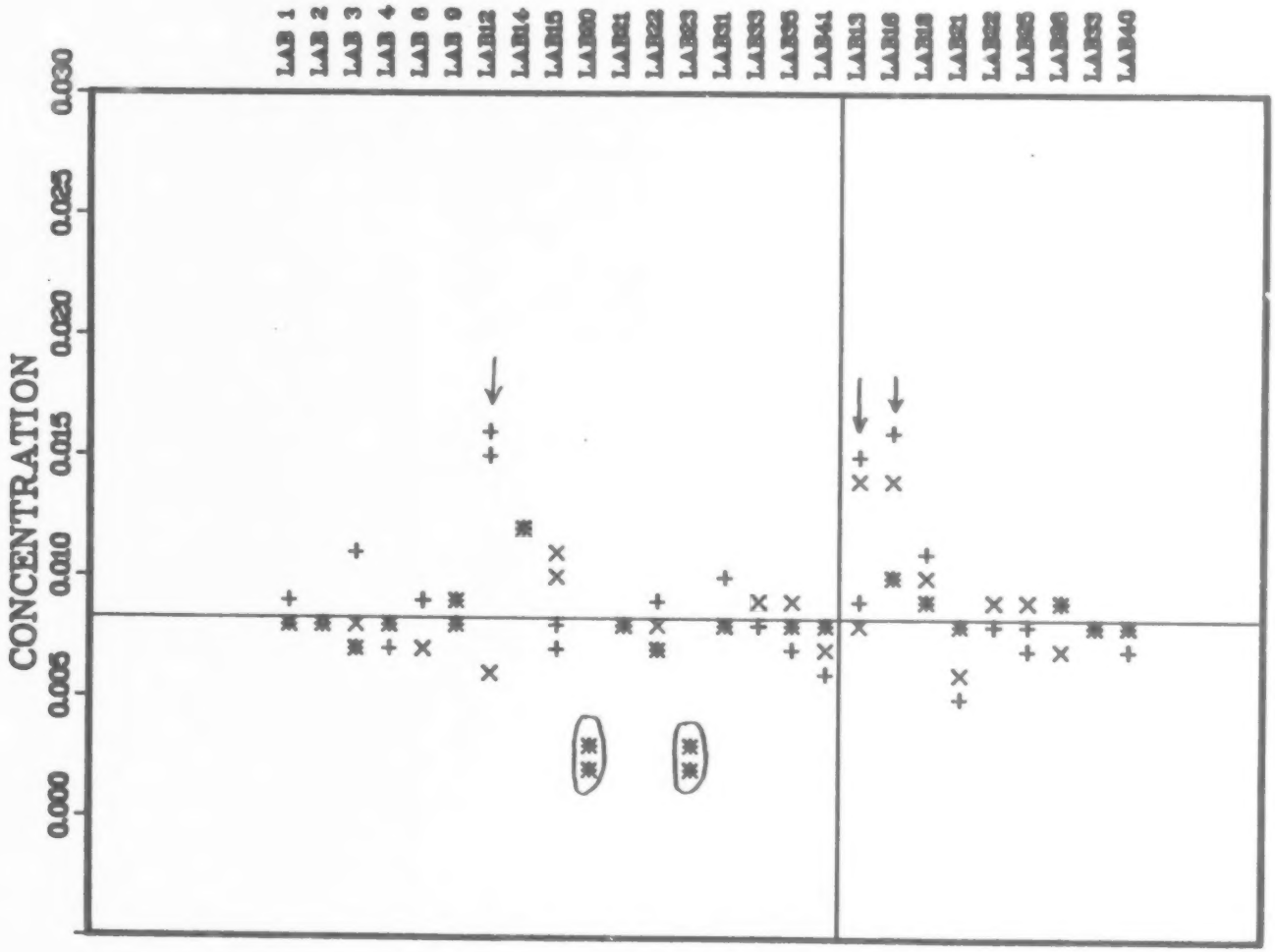


Figure 2. TI 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE 79-13 LOSS CORRECTED ALPHA

Table 2. Ti 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0080	.0080	.00825	.2500E-06
		2	.0080	.0090		
2	LAB 2	1	.0080	.0080	.00800	0.
		2	.0080	.0080		
3	LAB 3	1	.0070	.0080	.00825	.3583E-05
		2	.0070	.0110		
4	LAB 4	1	.0080	.0080	.00775	.2500E-06
		2	.0080	.0070		
5	LAB 6	1	.0070	.0070	.00800	.1333E-05
		2	.0090	.0090		
6	LAB 9	1	.0080	.0090	.00850	.3333E-06
		2	.0080	.0090		
7	LAB12	1	.0060	.0060	.01075	.3025E-04
		2	.0160	.0150		
8	LAB14	1	.0120	.0120	.01200	0.
		2	.0120	.0120		
9	LAB15	1	.0100	.0110	.00900	.3333E-05
		2	.0070	.0080		
10	LAB20	1	.0020	.0030	.00250	.3333E-06
		2	.0020	.0030		
11	LAB21	1	.0080	.0080	.00800	0.
		2	.0080	.0080		
12	LAB22	1	.0080	.0070	.00775	.9167E-06
		2	.0090	.0070		
13	LAB23	1	.0030	.0020	.00250	.3333E-06
		2	.0030	.0020		
14	LAB31	1	.0080	.0080	.00850	.1000E-05
		2	.0080	.0100		
15	LAB33	1	.0090	.0090	.00850	.3333E-06
		2	.0080	.0080		
16	LAB35	1	.0090	.0080	.00900	.6667E-06
		2	.0080	.0070		
17	LAB41	1	.0080	.0070	.00725	.9167E-06
		2	.0080	.0060		
18	LAB13	1	.0080	.0140	.01150	.1233E-04
		2	.0090	.0150		
19	LAB16	1	.0100	.0140	.01250	.9000E-05
		2	.0160	.0100		
20	LAB18	1	.0100	.0090	.00975	.9167E-06
		2	.0110	.0090		
21	LAB21	1	.0080	.0060	.00675	.2250E-05
		2	.0080	.0050		
22	LAB22	1	.0090	.0090	.00850	.3333E-06
		2	.0080	.0080		
23	LAB25	1	.0090	.0090	.00825	.9167E-06
		2	.0080	.0070		
24	LAB26	1	.0090	.0070	.00850	.1000E-05
		2	.0090	.0090		
25	LAB33	1	.0080	.0080	.00800	0.
		2	.0080	.0080		
26	LAB40	1	.0080	.0080	.00775	.2500E-06
		2	.0080	.0070		

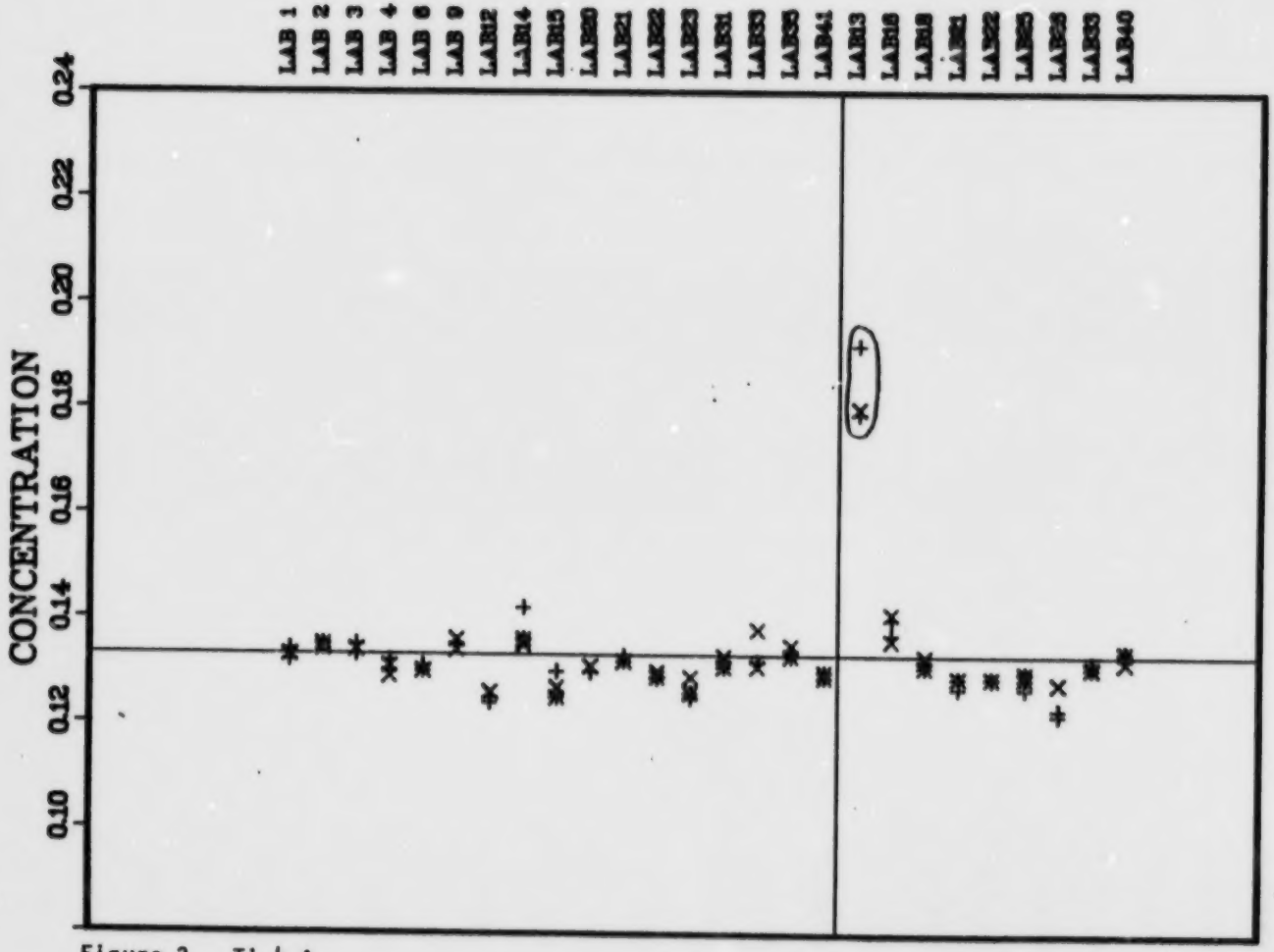


Figure 2. TI 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE: 83-1 LOSS CORRECTED ALPHA

Table 2. Ti 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 83-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1330	.1330	.13300	.6667E-06
		2	.1320	.1340		
2	LAB 2	1	.1350	.1340	.13450	.3333E-06
		2	.1340	.1350		
3	LAB 3	1	.1340	.1340	.13400	.6667E-06
		2	.1350	.1330		
4	LAB 4	1	.1290	.1310	.13050	.1667E-05
		2	.1300	.1320		
5	LAB 6	1	.1300	.1300	.13025	.2500E-06
		2	.1300	.1310		
6	LAB 9	1	.1340	.1360	.13500	.6667E-06
		2	.1350	.1350		
7	LAB12	1	.1260	.1260	.12525	.9167E-06
		2	.1240	.1250		
8	LAB14	1	.1350	.1360	.13725	.1025E-04
		2	.1360	.1420		
9	LAB15	1	.1250	.1270	.12675	.5583E-05
		2	.1250	.1300		
10	LAB20	1	.1310	.1310	.13050	.3333E-06
		2	.1300	.1300		
11	LAB21	1	.1320	.1320	.13225	.2500E-06
		2	.1320	.1330		
12	LAB22	1	.1300	.1290	.12925	.2500E-06
		2	.1290	.1290		
13	LAB23	1	.1290	.1260	.12650	.3000E-05
		2	.1250	.1260		
14	LAB31	1	.1310	.1330	.13175	.9167E-06
		2	.1320	.1310		
15	LAB33	1	.1310	.1380	.13325	.1025E-04
		2	.1320	.1320		
16	LAB35	1	.1330	.1350	.13375	.9167E-06
		2	.1330	.1340		
17	LAB41	1	.1300	.1290	.12950	.3333E-06
		2	.1300	.1290		
18	LAB13	1	.1800	.1800	.18275	.3825E-04
		2	.1790	.1920		
19	LAB16	1	.1410	.1360	.13850	.5667E-05
		2	.1400	.1370		
20	LAB18	1	.1310	.1330	.13175	.9167E-06
		2	.1320	.1310		
21	LAB21	1	.1290	.1290	.12850	.1000E-05
		2	.1270	.1290		
22	LAB22	1	.1290	.1290	.12900	0.
		2	.1290	.1290		
23	LAB25	1	.1290	.1300	.12900	.2000E-05
		2	.1300	.1270		
24	LAB26	1	.1280	.1280	.12525	.1025E-04
		2	.1230	.1220		
25	LAB33	1	.1310	.1310	.13125	.2500E-06
		2	.1320	.1310		
26	LAB40	1	.1320	.1340	.13325	.9167E-06
		2	.1330	.1340		

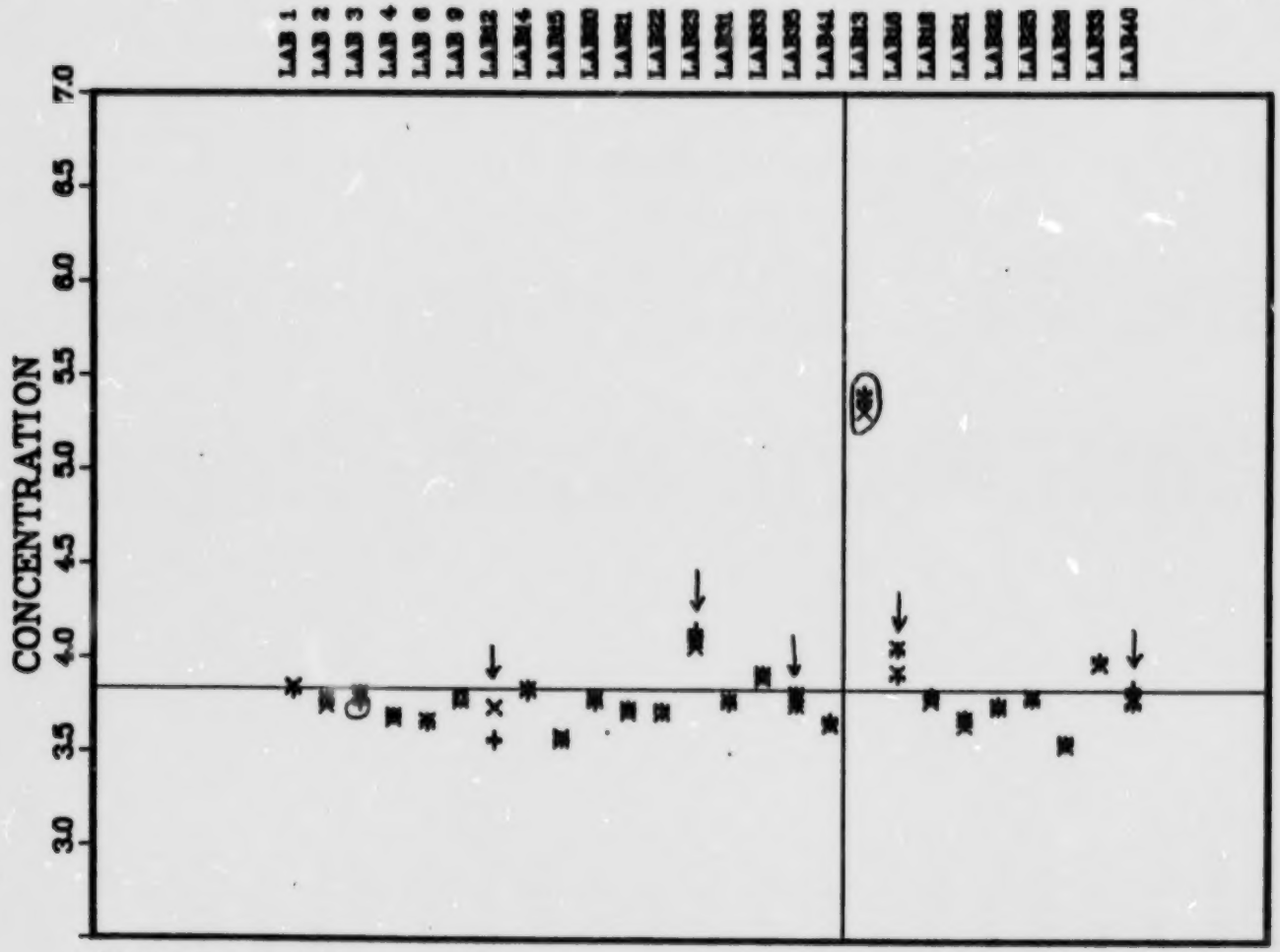


Figure 2. Ti 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE: 83-9 LOSS CORRECTED ALPHA

Table 2. Ti S.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	3.8410	3.8470	3.83375	.1502E-03
		2	3.8210	3.8260		
2	LAB 2	1	3.7440	3.7770	3.76500	.2287E-03
		2	3.7640	3.7750		
3	LAB 3	1	3.8110	3.8110	3.79675	.8509E-03
		2	3.8120	3.7530		
4	LAB 4	1	3.6730	3.6940	3.68600	.8600E-04
		2	3.6860	3.6910		
5	LAB 6	1	3.6650	3.6630	3.66050	.2767E-04
		2	3.6610	3.6530		
6	LAB 9	1	3.7730	3.7970	3.78150	.1290E-03
		2	3.7730	3.7830		
7	LAB12	1	3.7400	3.7350	3.64975	.1031E-01
		2	3.5700	3.5540		
8	LAB14	1	3.8330	3.8350	3.83000	.1527E-03
		2	3.8120	3.8400		
9	LAB15	1	3.5630	3.5850	3.57225	.8492E-04
		2	3.5710	3.5700		
10	LAB20	1	3.7810	3.7770	3.77625	.8625E-04
		2	3.7840	3.7630		
11	LAB21	1	3.7100	3.7330	3.72525	.1396E-03
		2	3.7220	3.7360		
12	LAB22	1	3.7080	3.7190	3.71525	.4825E-04
		2	3.7110	3.7230		
13	LAB23	1	4.0640	4.0980	4.11025	.1494E-02
		2	4.1240	4.1550		
14	LAB31	1	3.7750	3.7750	3.77250	.4100E-04
		2	3.7770	3.7630		
15	LAB33	1	3.8980	3.9220	3.91375	.1429E-03
		2	3.9110	3.9240		
16	LAB35	1	3.7540	3.8170	3.78525	.1302E-02
		2	3.7540	3.8160		
17	LAB41	1	3.6580	3.6480	3.65975	.1149E-03
		2	3.6740	3.6590		
18	LAB13	1	5.3160	5.3970	5.37675	.1811E-02
		2	5.3810	5.4130		
19	LAB16	1	4.0610	3.9310	3.98875	.6015E-02
		2	4.0500	3.9130		
20	LAB18	1	3.7770	3.8030	3.79775	.2129E-03
		2	3.8000	3.8110		
21	LAB21	1	3.6490	3.6850	3.67075	.3749E-03
		2	3.6600	3.6890		
22	LAB22	1	3.7430	3.7530	3.75050	.1057E-03
		2	3.7420	3.7640		
23	LAB25	1	3.8070	3.7940	3.79600	.5667E-04
		2	3.7930	3.7900		
24	LAB26	1	3.5570	3.5420	3.55225	.5358E-04
		2	3.5520	3.5580		
25	LAB33	1	3.9820	3.9780	3.98600	.5667E-04
		2	3.9890	3.9950		
26	LAB40	1	3.7780	3.7890	3.79700	.1411E-02
		2	3.7690	3.8520		

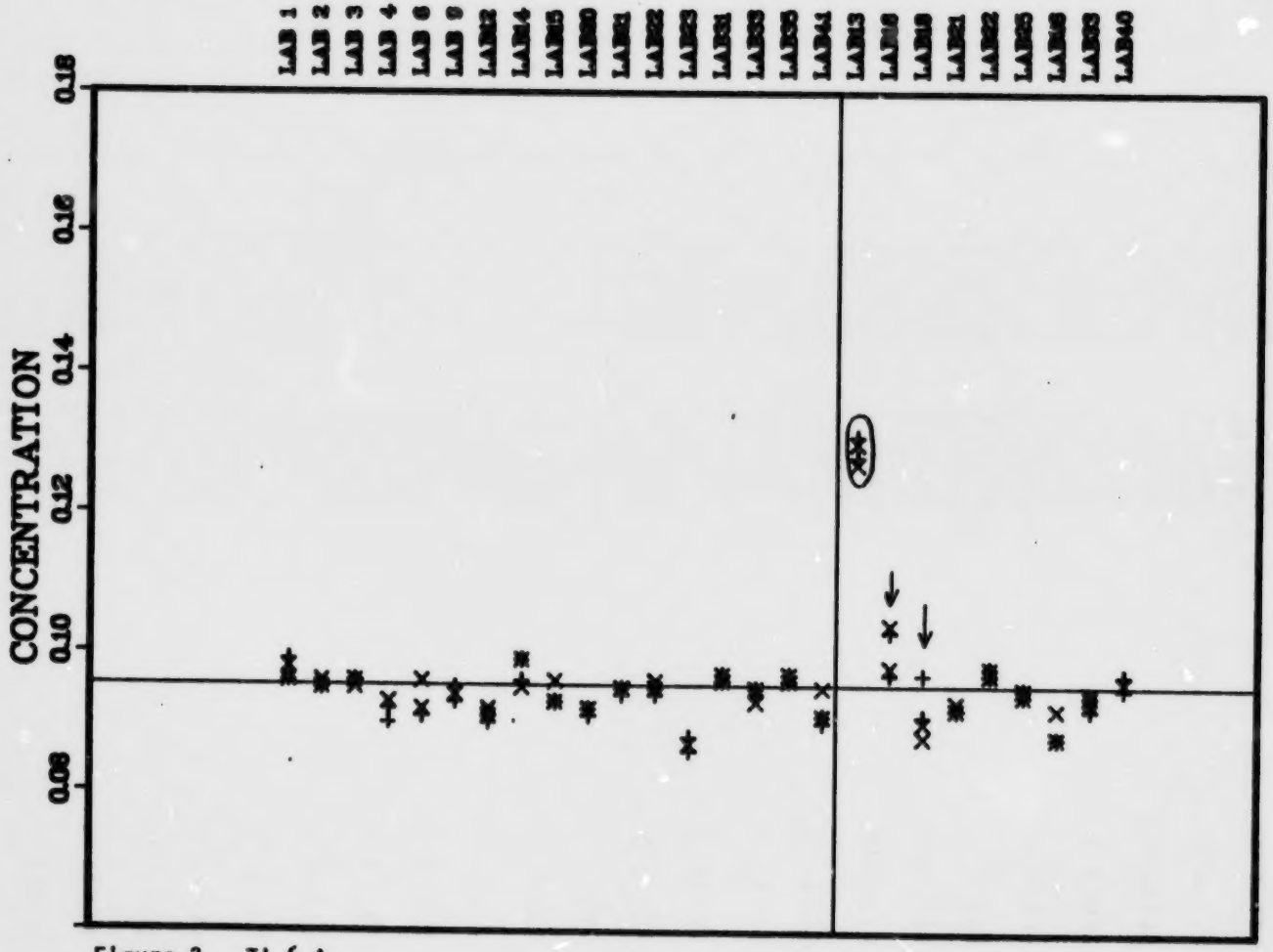


Figure 2. TI 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE: 83-18 LOSS CORRECTED ALPHA

Table 2. 1. 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0980	.0960	.09725	.2250E-05
		2	.0990	.0960		
2	LAB 2	1	.0950	.0960	.09525	.2500E-06
		2	.0950	.0950		
3	LAB 3	1	.0960	.0950	.09575	.2500E-06
		2	.0960	.0960		
4	LAB 4	1	.0930	.0930	.09200	.2000E-05
		2	.0920	.0900		
5	LAB 6	1	.0920	.0960	.09250	.3667E-05
		2	.0910	.0910		
6	LAB 9	1	.0940	.0940	.09400	.6667E-06
		2	.0930	.0950		
7	LAB12	1	.0910	.0920	.09100	.6667E-06
		2	.0900	.0910		
8	LAB14	1	.0990	.0950	.09725	.4250E-05
		2	.0990	.0960		
9	LAB15	1	.0960	.0930	.09375	.2250E-05
		2	.0930	.0930		
10	LAB20	1	.0920	.0920	.09175	.2500E-06
		2	.0920	.0910		
11	LAB21	1	.0950	.0950	.09475	.2500E-06
		2	.0940	.0950		
12	LAB22	1	.0950	.0960	.09500	.6667E-06
		2	.0940	.0950		
13	LAB23	1	.0870	.0870	.08700	.6667E-06
		2	.0880	.0860		
14	LAB31	1	.0970	.0960	.09650	.3333E-06
		2	.0960	.0970		
15	LAB33	1	.0930	.0950	.09425	.9167E-06
		2	.0940	.0950		
16	LAB35	1	.0960	.0970	.09650	.3333E-06
		2	.0960	.0970		
17	LAB41	1	.0910	.0950	.09175	.4917E-05
		2	.0910	.0900		
18	LAB13	1	.1300	.1270	.12900	.3333E-05
		2	.1310	.1280		
19	LAB16	1	.1040	.0980	.10050	.1233E-04
		2	.1030	.0970		
20	LAB18	1	.0900	.0880	.09150	.1500E-04
		2	.0970	.0910		
21	LAB21	1	.0920	.0930	.09225	.2500E-06
		2	.0920	.0920		
22	LAB22	1	.0980	.0970	.09750	.3333E-06
		2	.0980	.0970		
23	LAB25	1	.0940	.0950	.09450	.3333E-06
		2	.0940	.0950		
24	LAB26	1	.0920	.0880	.08900	.4000E-05
		2	.0880	.0880		
25	LAB33	1	.0940	.0930	.09325	.9167E-06
		2	.0940	.0920		
26	LAB40	1	.0960	.0960	.09600	.6667E-06
		2	.0950	.0970		

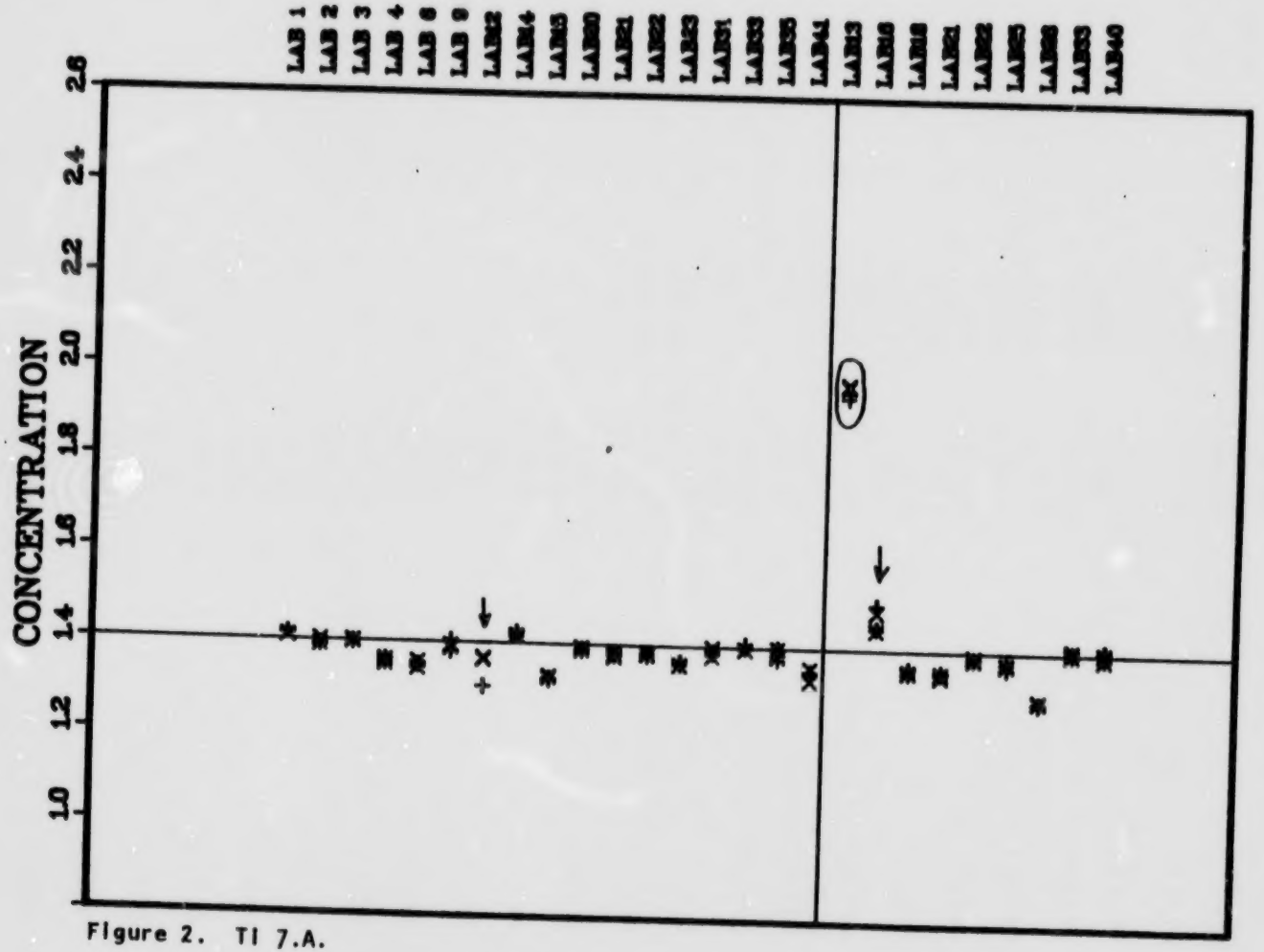


Figure 2. TI 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE: 83-17 LOSS CORRECTED ALPHA

Table 2. Ti 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 83-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.4100	1.4090	1.41275	.1492E-04
		2	1.4150	1.4170		
2	LAB 2	1	1.3910	1.4020	1.39400	.3000E-04
		2	1.3900	1.3930		
3	LAB 3	1	1.4010	1.3980	1.39850	.4333E-05
		2	1.3960	1.3990		
4	LAB 4	1	1.3510	1.3600	1.35575	.2425E-04
		2	1.3520	1.3600		
5	LAB 6	1	1.3570	1.3420	1.34925	.3825E-04
		2	1.3480	1.3500		
6	LAB 9	1	1.3880	1.3940	1.39125	.1102E-03
		2	1.3790	1.4040		
7	LAB12	1	1.3630	1.3670	1.33500	.1203E-02
		2	1.3050	1.3050		
8	LAB14	1	1.4140	1.4170	1.41775	.1892E-04
		2	1.4160	1.4240		
9	LAB15	1	1.3260	1.3290	1.32550	.8333E-05
		2	1.3250	1.3220		
10	LAB20	1	1.3880	1.3940	1.38975	.1225E-04
		2	1.3860	1.3910		
11	LAB21	1	1.3740	1.3810	1.37825	.9583E-05
		2	1.3800	1.3780		
12	LAB22	1	1.3820	1.3810	1.38100	.8667E-05
		2	1.3770	1.3840		
13	LAB23	1	1.3600	1.3590	1.36175	.1292E-04
		2	1.3670	1.3610		
14	LAB31	1	1.3800	1.3690	1.38875	.6692E-04
		2	1.3850	1.3910		
15	LAB33	1	1.3960	1.3970	1.40000	.3000E-04
		2	1.3990	1.4080		
16	LAB35	1	1.3820	1.4000	1.38975	.1602E-03
		2	1.3760	1.4010		
17	LAB41	1	1.3570	1.3300	1.34625	.1343E-03
		2	1.3510	1.3470		
18	LAB13	1	1.9730	1.9780	1.96600	.1527E-03
		2	1.9630	1.9500		
19	LAB16	1	1.4820	1.4440	1.46775	.7043E-03
		2	1.4980	1.4470		
20	LAB18	1	1.3530	1.3550	1.35550	.2033E-04
		2	1.3620	1.3520		
21	LAB21	1	1.3450	1.3530	1.35125	.2158E-04
		2	1.3510	1.3560		
22	LAB22	1	1.3910	1.3840	1.38700	.1000E-04
		2	1.3850	1.3880		
23	LAB25	1	1.3740	1.3750	1.37350	.2167E-04
		2	1.3780	1.3670		
24	LAB26	1	1.2970	1.2940	1.29350	.8333E-05
		2	1.2930	1.2900		
25	LAB33	1	1.4080	1.3990	1.40275	.1692E-04
		2	1.4040	1.4000		
26	LAB40	1	1.3900	1.4030	1.39800	.7933E-04
		2	1.3910	1.4080		

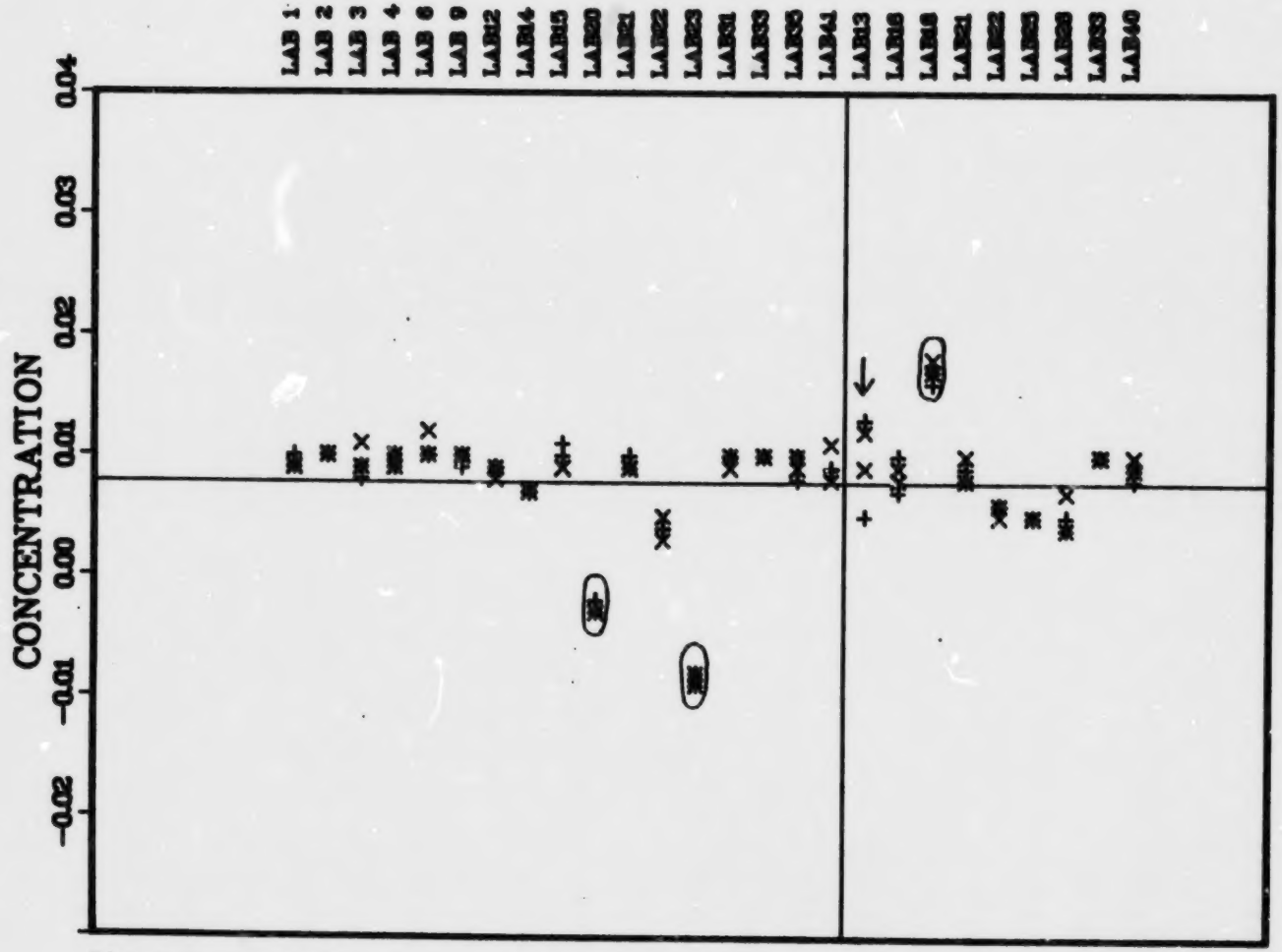


Figure 2. TI I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE 77-8 LOSS ON FUSION CORRECTED

Table 2. Ti I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 77-8 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0090	.0090	.00925	.2500E-06
		2	.0090	.0100		
2	LAB 2	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
3	LAB 3	1	.0090	.0110	.00925	.1583E-05
		2	.0080	.0090		
4	LAB 4	1	.0090	.0100	.00950	.3333E-06
		2	.0090	.0100		
5	LAB 6	1	.0100	.0120	.01050	.1000E-05
		2	.0100	.0100		
6	LAB 9	1	.0100	.0100	.00975	.2500E-06
		2	.0100	.0090		
7	LAB12	1	.0090	.0080	.00875	.2500E-06
		2	.0090	.0090		
8	LAB14	1	.0070	.0070	.00700	0.
		2	.0070	.0070		
9	LAB15	1	.0090	.0090	.00975	.9167E-06
		2	.0100	.0110		
10	LAB20	1	-.0030	-.0030	-.00275	.2500E-06
		2	-.0020	-.0030		
11	LAB21	1	.0090	.0090	.00925	.2500E-06
		2	.0090	.0100		
12	LAB22	1	.0050	.0030	.00400	.6667E-06
		2	.0040	.0040		
13	LAB23	1	-.0080	-.0090	-.00850	.3333E-06
		2	-.0080	-.0090		
14	LAB31	1	.0100	.0090	.00975	.2500E-06
		2	.0100	.0100		
15	LAB33	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
16	LAB35	1	.0090	.0100	.00925	.9167E-06
		2	.0100	.0080		
17	LAB41	1	.0110	.0080	.00925	.1583E-05
		2	.0090	.0090		
18	LAB13	1	.0090	.0120	.00975	.1292E-04
		2	.0130	.0050		
19	LAB16	1	.0090	.0080	.00850	.1667E-05
		2	.0100	.0070		
20	LAB18	1	.0180	.0170	.01700	.6667E-06
		2	.0170	.0160		
21	LAB21	1	.0100	.0080	.00875	.9167E-06
		2	.0090	.0080		
22	LAB22	1	.0050	.0060	.00575	.2500E-06
		2	.0060	.0060		
23	LAB25	1	.0050	.0050	.00500	0.
		2	.0050	.0050		
24	LAB26	1	.0040	.0070	.00500	.2000E-05
		2	.0050	.0040		
25	LAB33	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
26	LAB40	1	.0090	.0100	.00900	.6667E-06
		2	.0090	.0080		

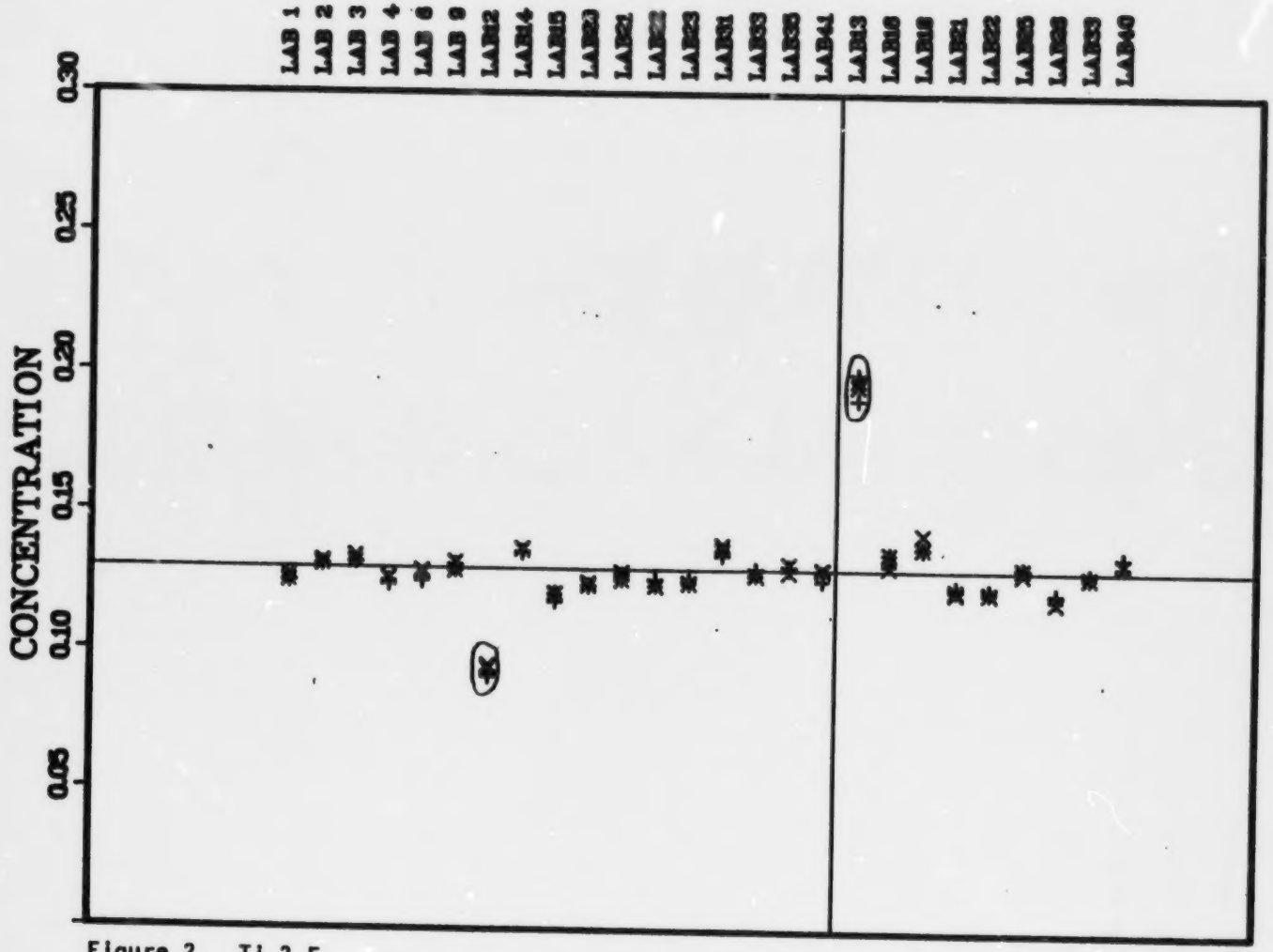


Figure 2. Ti 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 Ti

SAMPLE: 79–4 LOSS ON FUSION CORRECTED

Table 2. Ti 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1250	.1270	.12550	.1000E-05
		2	.1250	.1250		
2	LAB 2	1	.1310	.1320	.13125	.2500E-06
		2	.1310	.1310		
3	LAB 3	1	.1320	.1340	.13250	.1000E-05
		2	.1320	.1320		
4	LAB 4	1	.1260	.1260	.12525	.9167E-06
		2	.1250	.1240		
5	LAB 6	1	.1290	.1280	.12700	.3333E-05
		2	.1260	.1250		
6	LAB 9	1	.1290	.1320	.13025	.2250E-05
		2	.1290	.1310		
7	LAB12	1	.0940	.0950	.09325	.2917E-05
		2	.0930	.0910		
8	LAB14	1	.1370	.1370	.13650	.3333E-06
		2	.1360	.1360		
9	LAB15	1	.1210	.1210	.12025	.2250E-05
		2	.1180	.1210		
10	LAB20	1	.1250	.1240	.12425	.2500E-06
		2	.1240	.1240		
11	LAB21	1	.1260	.1290	.12725	.2250E-05
		2	.1260	.1280		
12	LA922	1	.1240	.1240	.12450	.1000E-05
		2	.1240	.1260		
13	LAB23	1	.1250	.1250	.12525	.2500E-06
		2	.1260	.1250		
14	LAB31	1	.1390	.1370	.13675	.2917E-05
		2	.1350	.1360		
15	LAB33	1	.1280	.1280	.12850	.1000E-05
		2	.1300	.1280		
16	LAB35	1	.1290	.1320	.13050	.1667E-05
		2	.1300	.1310		
17	LAB41	1	.1300	.1300	.12875	.3583E-05
		2	.1290	.1260		
18	LAB13	1	.1960	.1980	.19625	.1492E-04
		2	.1910	.2000		
19	LAB16	1	.1360	.1310	.13375	.6917E-05
		2	.1360	.1320		
20	LAB18	1	.1430	.1380	.13925	.6250E-05
		2	.1380	.1380		
21	LAB21	1	.1230	.1220	.12300	.6667E-06
		2	.1240	.1230		
22	LAB22	1	.1220	.1220	.12225	.2500E-06
		2	.1220	.1230		
23	LAB25	1	.1290	.1310	.13050	.1000E-05
		2	.1310	.1310		
24	LAB26	1	.1190	.1190	.12000	.2000E-05
		2	.1200	.1220		
25	LAB33	1	.1280	.1280	.12825	.2500E-06
		2	.1290	.1280		
26	LAB40	1	.1330	.1330	.13325	.1583E-05
		2	.1320	.1350		

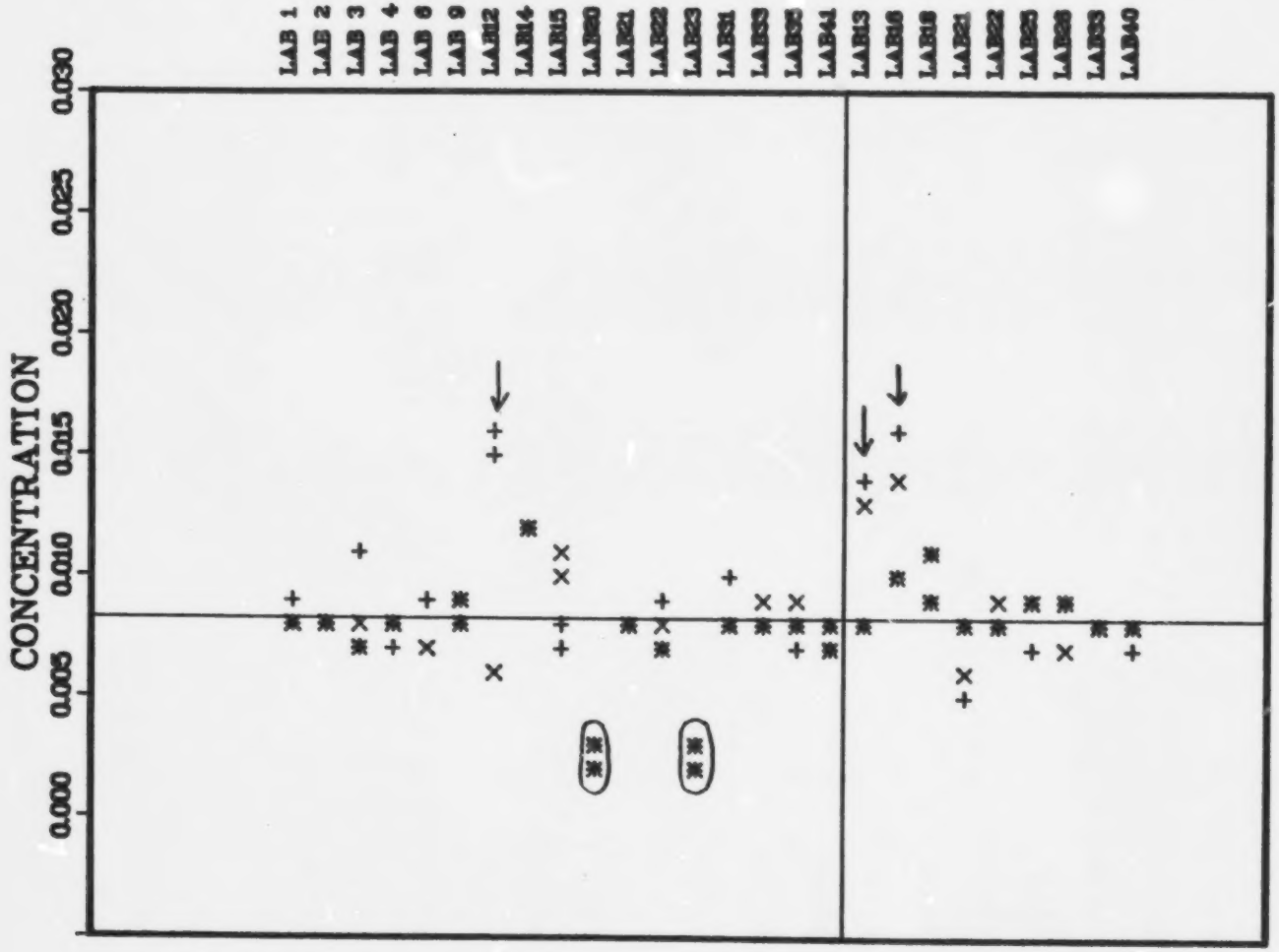


Figure 2. TI 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE: 79-13 LOSS ON FUSION CORRECTED

Table 2. Ti 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD — 1984 TI
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0080	.0080	.00825	.2500E-06
		2	.0080	.0090		
2	LAB 2	1	.0080	.0080	.00800	0.
		2	.0080	.0080		
3	LAB 3	1	.0070	.0080	.00825	.3583E-05
		2	.0070	.0110		
4	LAB 4	1	.0080	.0080	.00775	.2500E-06
		2	.0080	.0070		
5	LAB 6	1	.0070	.0070	.00800	.1333E-05
		2	.0090	.0090		
6	LAB 9	1	.0080	.0090	.00850	.3333E-06
		2	.0080	.0090		
7	LAB12	1	.0060	.0060	.01075	.3025E-04
		2	.0160	.0150		
8	LAB14	1	.0120	.0120	.01200	0.
		2	.0120	.0120		
9	LAB15	1	.0100	.0110	.00900	.3333E-05
		2	.0070	.0080		
10	LAB20	1	.0020	.0030	.00250	.3333E-06
		2	.0020	.0030		
11	LAB21	1	.0080	.0080	.00800	0.
		2	.0080	.0080		
12	LAB22	1	.0080	.0070	.00775	.9167E-06
		2	.0090	.0070		
13	LAB23	1	.0030	.0020	.00250	.3333E-06
		2	.0030	.0020		
14	LAB31	1	.0080	.0080	.00850	.1000E-05
		2	.0080	.0100		
15	LAB33	1	.0090	.0080	.00825	.2500E-06
		2	.0080	.0080		
16	LAB35	1	.0090	.0080	.00800	.6667E-06
		2	.0080	.0070		
17	LAB41	1	.0080	.0070	.00750	.3333E-06
		2	.0080	.0070		
18	LAB13	1	.0080	.0130	.01075	.1025E-04
		2	.0080	.0140		
19	LAB16	1	.0100	.0140	.01250	.9000E-05
		2	.0160	.0100		
20	LAB18	1	.0110	.0090	.01000	.1333E-05
		2	.0110	.0090		
21	LAB21	1	.0080	.0060	.00675	.2250E-05
		2	.0080	.0050		
22	LAB22	1	.0090	.0080	.00825	.2500E-06
		2	.0080	.0080		
23	LAB25	1	.0090	.0090	.00850	.1000E-05
		2	.0090	.0070		
24	LAB26	1	.0090	.0070	.00850	.1000E-05
		2	.0090	.0090		
25	LAB33	1	.0080	.0080	.00800	0.
		2	.0080	.0080		
26	LAB40	1	.0080	.0080	.00775	.2500E-06
		2	.0080	.0070		

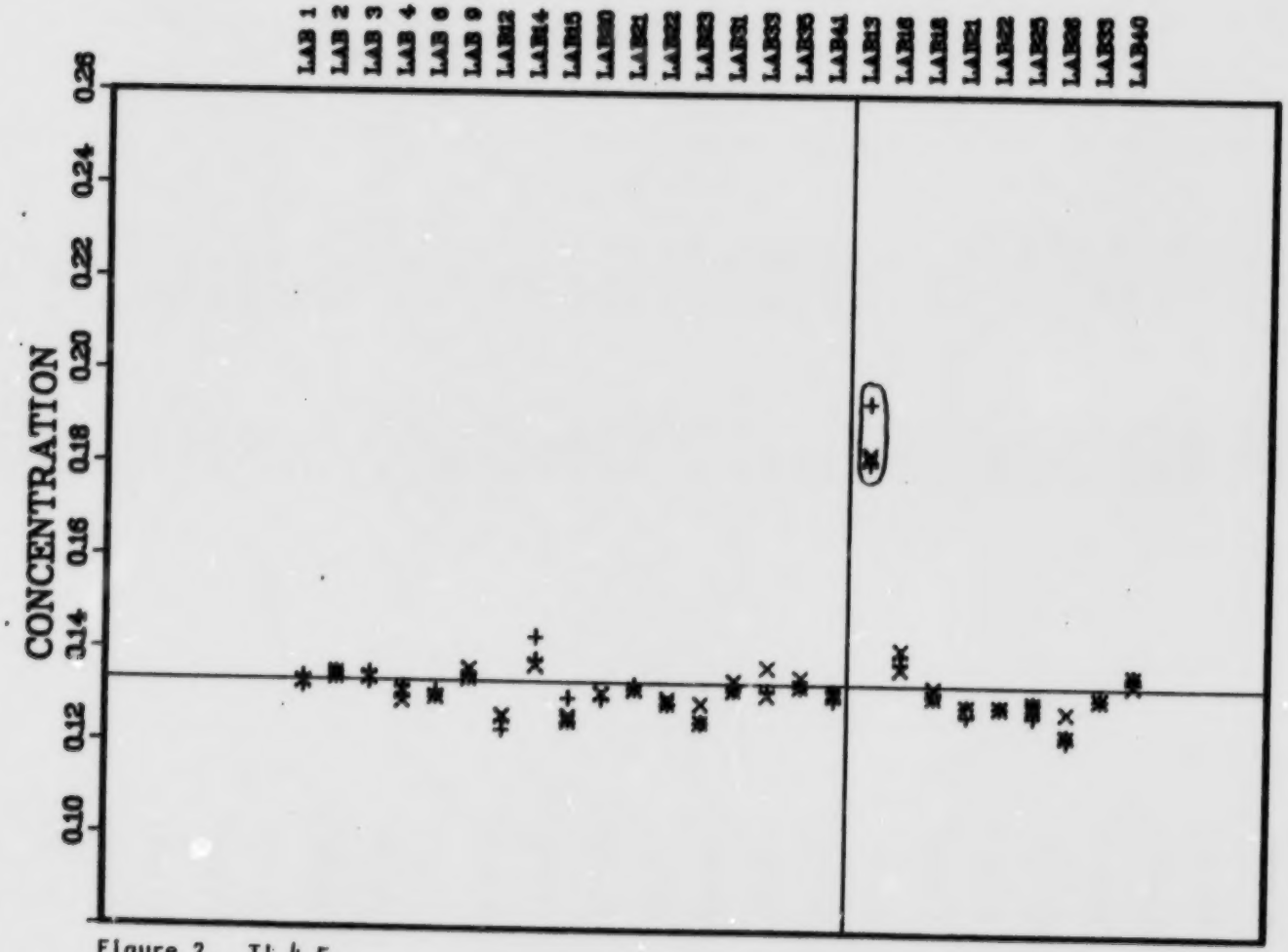


Figure 2. TI 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE: 83-1 LOSS ON FUSION CORRECTED

Table 2. Ti 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1330	.1330	.13300	.6667E-06
		2	.1320	.1340		
2	LAB 2	1	.1330	.1340	.13450	.3333E-06
		2	.1340	.1350		
3	LAB 3	1	.1340	.1340	.13400	.6667E-06
		2	.1350	.1330		
4	LAB 4	1	.1290	.1310	.13050	.1667E-05
		2	.1300	.1320		
5	LAB 6	1	.1300	.1300	.13025	.2500E-06
		2	.1300	.1310		
6	LAB 9	1	.1340	.1360	.13475	.9167E-06
		2	.1340	.1350		
7	LAB12	1	.1260	.1260	.12500	.2000E-05
		2	.1230	.1250		
8	LAB14	1	.1370	.1370	.13875	.8250E-05
		2	.1380	.1430		
9	LAB15	1	.1250	.1260	.12650	.5667E-05
		2	.1250	.1300		
10	LAB20	1	.1310	.1310	.13050	.3333E-06
		2	.1300	.1300		
11	LAB21	1	.1320	.1320	.13225	.2500E-06
		2	.1320	.1330		
12	LAB22	1	.1300	.1290	.12925	.2500E-06
		2	.1290	.1290		
13	LAB23	1	.1290	.1250	.12600	.4000E-05
		2	.1250	.1250		
14	LAB31	1	.1320	.1340	.13275	.9167E-06
		2	.1330	.1320		
15	LAB33	1	.1310	.1370	.13300	.7333E-05
		2	.1320	.1320		
16	LAB35	1	.1330	.1350	.13350	.1000E-05
		2	.1330	.1330		
17	LAB41	1	.1320	.1310	.13125	.9167E-06
		2	.1320	.1300		
18	LAB13	1	.1820	.1830	.18500	.3667E-04
		2	.1810	.1940		
19	LAB16	1	.1410	.1370	.13900	.3333E-05
		2	.1400	.1380		
20	LAB18	1	.1310	.1330	.13175	.9167E-06
		2	.1320	.1310		
21	LAB21	1	.1290	.1290	.12850	.1000E-05
		2	.1270	.1290		
22	LAB22	1	.1290	.1290	.12900	0.
		2	.1290	.1290		
23	LAB25	1	.1290	.1300	.12900	.2000E-05
		2	.1300	.1270		
24	LAB26	1	.1280	.1230	.12400	.7333E-05
		2	.1230	.1220		
25	LAB33	1	.1310	.1310	.13100	0.
		2	.1310	.1310		
26	LAB40	1	.1340	.1360	.13525	.9167E-06
		2	.1350	.1360		

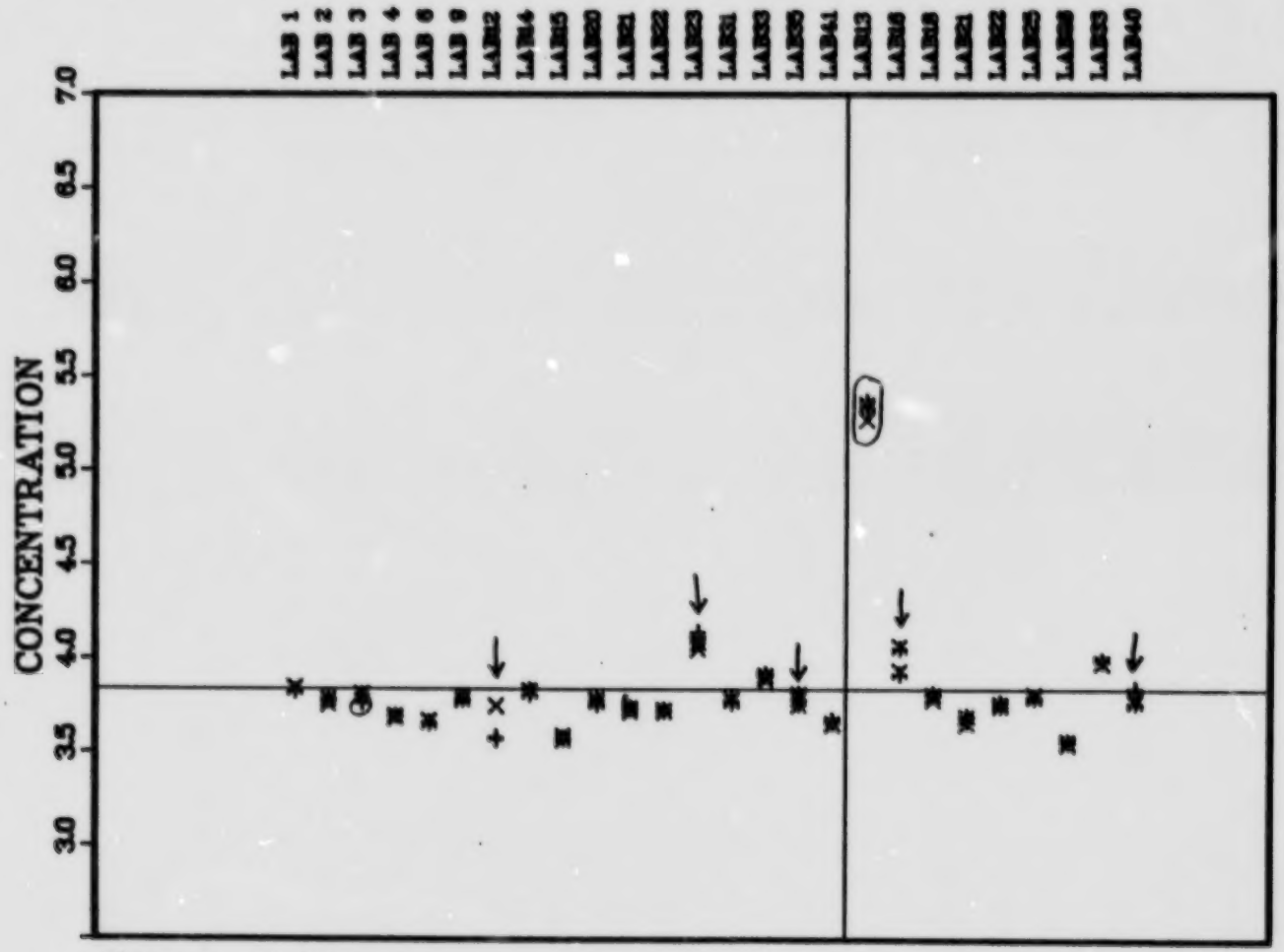


Figure 2. TI 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE: 83-9 LOSS ON FUSION CORRECTED

Table 2. Ti 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	3.8410	3.8480	3.83525	.1282E-03
		2	3.8230	3.8290		
2	LAB 2	1	3.7550	3.7830	3.77250	.1637E-03
		2	3.7710	3.7810		
3	LAB 3	1	3.8060	3.8120	3.79625	.5909E-03
		2	3.8070	3.7600		
4	LAB 4	1	3.6810	3.6930	3.69000	.3667E-04
		2	3.6940	3.6920		
5	LAB 6	1	3.6650	3.6680	3.66225	.2625E-04
		2	3.6570	3.6590		
6	LAB 9	1	3.7810	3.7990	3.78675	.7625E-04
		2	3.7800	3.7870		
7	LAB12	1	3.7480	3.7470	3.66100	.9997E-02
		2	3.5800	3.5690		
8	LAB14	1	3.8260	3.8290	3.82350	.1443E-03
		2	3.8060	3.8330		
9	LAB15	1	3.5670	3.5890	3.57725	.8292E-04
		2	3.5780	3.5750		
10	LAB20	1	3.7790	3.7730	3.77300	.9867E-04
		2	3.7810	3.7590		
11	LAB21	1	3.7170	3.7380	3.73050	.1137E-03
		2	3.7270	3.7400		
12	LAB22	1	3.7180	3.7270	3.72325	.3092E-04
		2	3.7190	3.7290		
13	LAB23	1	4.0530	4.0860	4.09850	.1463E-02
		2	4.1120	4.1430		
14	LAB31	1	3.7820	3.7830	3.77850	.4167E-04
		2	3.7800	3.7690		
15	LAB33	1	3.8900	3.9130	3.90825	.1729E-03
		2	3.9090	3.9210		
16	LAB35	1	3.7530	3.8160	3.78575	.1304E-02
		2	3.7560	3.8180		
17	LAB41	1	3.6580	3.6480	3.65925	.9692E-04
		2	3.6720	3.6590		
18	LAB13	1	5.2740	5.3560	5.33625	.1863E-02
		2	5.3430	5.3720		
19	LAB16	1	4.0670	3.9380	3.99525	.5926E-02
		2	4.0560	3.9200		
20	LAB18	1	3.7830	3.8110	3.80450	.2297E-03
		2	3.8060	3.8180		
21	LAB21	1	3.6560	3.6930	3.67825	.3969E-03
		2	3.6670	3.6970		
22	LAB22	1	3.7500	3.7600	3.75725	.8358E-04
		2	3.7500	3.7690		
23	LAB25	1	3.8140	3.8010	3.80325	.5292E-04
		2	3.8000	3.7980		
24	LAB26	1	3.5610	3.5450	3.55600	.5733E-04
		2	3.5570	3.5610		
25	LAB33	1	3.9830	3.9800	3.98675	.4092E-04
		2	3.9900	3.9940		
26	LAB40	1	3.7750	3.7880	3.79400	.1277E-02
		2	3.7670	3.8460		

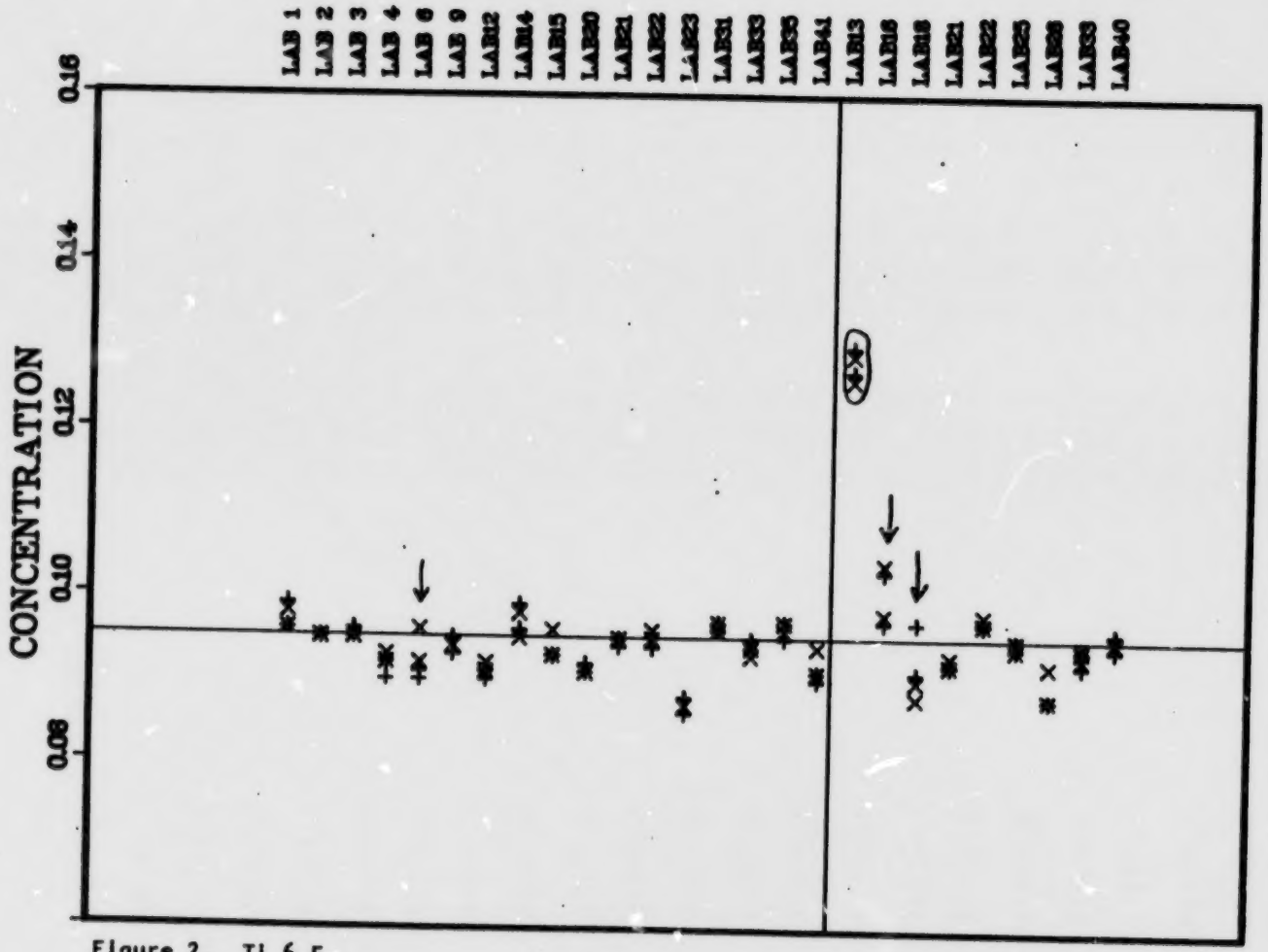


Figure 2. TI 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 TI

SAMPLE: 33-16 LOSS ON FUSION CORRECTED

Table 2. Ti 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0980	.0960	.09725	.2250E-05
		2	.0990	.0960		
2	LAB 2	1	.0950	.0950	.09500	0.
		2	.0950	.0950		
3	LAB 3	1	.0950	.0950	.09525	.2500E-06
		2	.0960	.0950		
4	LAB 4	1	.0930	.0920	.09175	.1583E-05
		2	.0920	.0900		
5	LAB 6	1	.0920	.0960	.09225	.6917E-05
		2	.0900	.0910		
6	LAB 9	1	.0940	.0940	.09400	.6667E-06
		2	.0930	.0950		
7	LAB12	1	.0910	.0920	.09100	.6667E-06
		2	.0900	.0910		
8	LAB14	1	.0980	.0950	.09700	.3333E-05
		2	.0990	.0960		
9	LAB15	1	.0960	.0930	.09375	.2250E-05
		2	.0930	.0930		
10	LAB20	1	.0910	.0910	.09125	.2500E-06
		2	.0920	.0910		
11	LAB21	1	.0950	.0950	.09475	.2500E-06
		2	.0940	.0950		
12	LAB22	1	.0950	.0960	.09475	.9167E-06
		2	.0940	.0940		
13	LAB23	1	.0870	.0870	.08700	.6667E-06
		2	.0880	.0860		
14	LAB31	1	.0970	.0960	.09650	.3333E-06
		2	.0960	.0970		
15	LAB33	1	.0930	.0940	.09400	.6667E-06
		2	.0940	.0950		
16	LAB35	1	.0960	.0970	.09625	.9167E-06
		2	.0950	.0970		
17	LAB41	1	.0910	.0940	.09150	.3000E-05
		2	.0910	.0900		
18	LAB13	1	.1290	.1260	.12800	.3333E-05
		2	.1300	.1270		
19	LAB16	1	.1040	.0980	.10050	.1233E-04
		2	.1030	.0970		
20	LAB18	1	.0900	.0880	.09150	.1500E-04
		2	.0970	.0910		
21	LAB21	1	.0920	.0930	.09225	.2500E-06
		2	.0920	.0920		
22	LAB22	1	.0980	.0970	.09725	.2500E-06
		2	.0970	.0970		
23	LAB25	1	.0940	.0950	.09450	.3333E-06
		2	.0940	.0950		
24	LAB26	1	.0920	.0880	.08900	.4000E-05
		2	.0880	.0880		
25	LAB33	1	.0940	.0930	.09325	.9167E-06
		2	.0940	.0920		
26	LAB40	1	.0950	.0950	.09500	.6667E-06
		2	.0940	.0960		

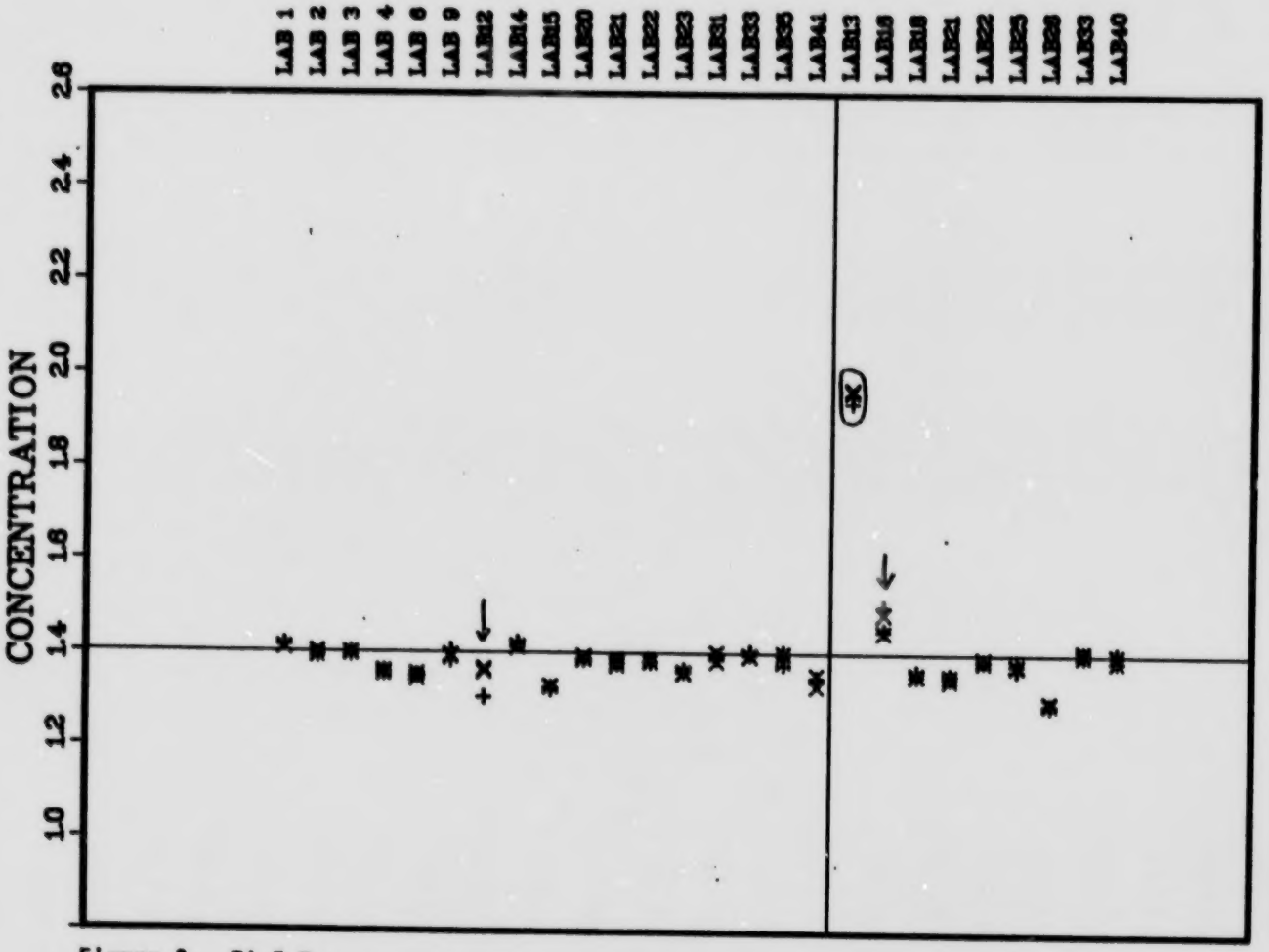


Figure 2. Ti 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 Ti

SAMPLE 83-17 LOSS ON FUSION CORRECTED

Table 2. Ti 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 TI
SAMPLE: 83-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.4110	1.4100	1.41375	.1492E-04
		2	1.4160	1.4180		
2	LAB 2	1	1.3940	1.4030	1.39650	.1900E-04
		2	1.3940	1.3950		
3	LAB 3	1	1.4000	1.3990	1.39875	.6917E-05
		2	1.3950	1.4010		
4	LAB 4	1	1.3550	1.3610	1.35800	.1200E-04
		2	1.3550	1.3610		
5	LAB 6	1	1.3550	1.3440	1.35000	.2200E-04
		2	1.3490	1.3520		
6	LAB 9	1	1.3910	1.3960	1.39375	.8492E-04
		2	1.3830	1.4050		
7	LAB12	1	1.3600	1.3670	1.33425	.1150E-02
		2	1.3040	1.3060		
8	LAB14	1	1.4120	1.4150	1.41575	.1892E-04
		2	1.4140	1.4220		
9	LAB15	1	1.3280	1.3300	1.32700	.8667E-05
		2	1.3270	1.3230		
10	LAB20	1	1.3880	1.3950	1.38975	.1492E-04
		2	1.3860	1.3900		
11	LAB21	1	1.3760	1.3830	1.38000	.8667E-05
		2	1.3810	1.3800		
12	LAB22	1	1.3850	1.3830	1.38350	.3667E-05
		2	1.3810	1.3850		
13	LAB23	1	1.3610	1.3590	1.36200	.8667E-05
		2	1.3660	1.3620		
14	LAB31	1	1.3840	1.4030	1.39300	.6867E-04
		2	1.3890	1.3960		
15	LAB33	1	1.3950	1.3970	1.39875	.1892E-04
		2	1.3980	1.4050		
16	LAB35	1	1.3840	1.4010	1.39175	.1616E-03
		2	1.3780	1.4040		
17	LAB41	1	1.3550	1.3300	1.34550	.1177E-03
		2	1.3500	1.3470		
18	LAB13	1	1.9630	1.9680	1.95650	.1603E-03
		2	1.9560	1.9390		
19	LAB16	1	1.4860	1.4470	1.47150	.7203E-03
		2	1.5020	1.4510		
20	LAB18	1	1.3550	1.3580	1.35800	.1800E-04
		2	1.3640	1.3550		
21	LAB21	1	1.3460	1.3550	1.35225	.2825E-04
		2	1.3500	1.3580		
22	LAB22	1	1.3930	1.3860	1.38925	.8917E-05
		2	1.3880	1.3900		
23	LAB25	1	1.3770	1.3780	1.37625	.2625E-04
		2	1.3810	1.3690		
24	LAB26	1	1.3000	1.2960	1.29600	.8667E-05
		2	1.2950	1.2930		
25	LAB33	1	1.4090	1.4000	1.40400	.1800E-04
		2	1.4060	1.4010		
26	LAB40	1	1.3880	1.4020	1.39600	.7667E-04
		2	1.3890	1.4050		

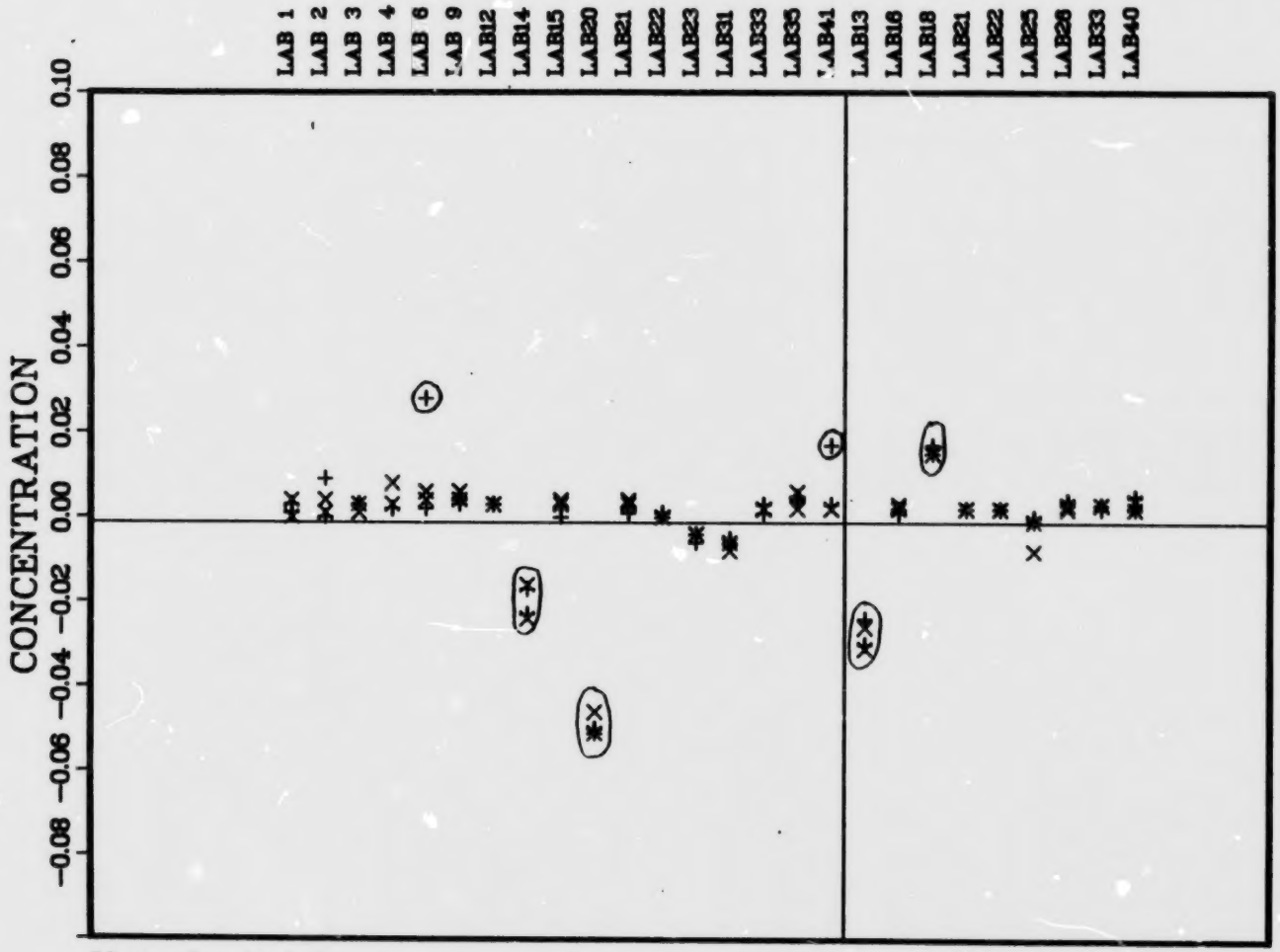


Figure 2. Ca I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE: 77-8 LOSS CORRECTED ALPHA

Table 2. Ca I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0040	0.0000	.00200	.3333E-05
		2	.0030	.0010		
2	LAB 2	1	.0010	.0040	.00350	.1633E-04
		2	.0090	0.0000		
3	LAB 3	1	.0030	.0010	.00250	.1000E-05
		2	.0030	.0030		
4	LAB 4	1	.0080	.0030	.00375	.8250E-05
		2	.0020	.0020		
5	LAB 6	1	.0040	.0060	.01000	.1467E-03
		2	.0280	.0020		
6	LAB 9	1	.0060	.0040	.00425	.1583E-05
		2	.0030	.0040		
7	LAB12	1	.0030	.0030	.00300	0.
		2	.0030	.0030		
8	LAB14	1	-.0240	-.0160	-.02000	.1667E-04
		2	-.0230	-.0170		
9	LAB15	1	.0040	.0030	.00225	.2917E-05
		2	0.0000	.0020		
10	LAB20	1	-.0510	-.0460	-.04950	.5667E-05
		2	-.0500	-.0510		
11	LAB21	1	.0040	.0030	.00250	.1667E-05
		2	.0020	.0010		
12	LAB22	1	0.0000	0.0000	.00025	.2500E-06
		2	.0010	0.0000		
13	LAB23	1	-.0040	-.0040	-.00450	.1000E-05
		2	-.0060	-.0040		
14	LAB31	1	-.0060	-.0080	-.00625	.1583E-05
		2	-.0050	-.0060		
15	LAB33	1	.0020	.0020	.00200	.6667E-06
		2	.0030	.0010		
16	LAB35	1	.0060	.0020	.00425	.2917E-05
		2	.0040	.0050		
17	LAB41	1	.0020	.0020	.00600	.5400E-04
		2	.0170	.0030		
18	LAB13	1	-.0310	-.0260	-.02775	.1092E-04
		2	-.0300	-.0240		
19	LAB16	1	.0030	.0020	.00200	.6667E-06
		2	.0020	.0010		
20	LAB18	1	.0150	.0150	.01550	.1000E-05
		2	.0150	.0170		
21	LAB21	1	.0020	.0020	.00200	0.
		2	.0020	.0020		
22	LAB22	1	.0020	.0020	.00200	0.
		2	.0020	.0020		
23	LAB25	1	-.0080	-.0010	-.00250	.1367E-04
		2	0.0000	-.0010		
24	LAB26	1	.0030	.0020	.00300	.6667E-06
		2	.0040	.0030		
25	LAB33	1	.0030	.0030	.00275	.2500E-06
		2	.0020	.0030		
26	LAB40	1	.0020	.0040	.00325	.2250E-05
		2	.0050	.0020		

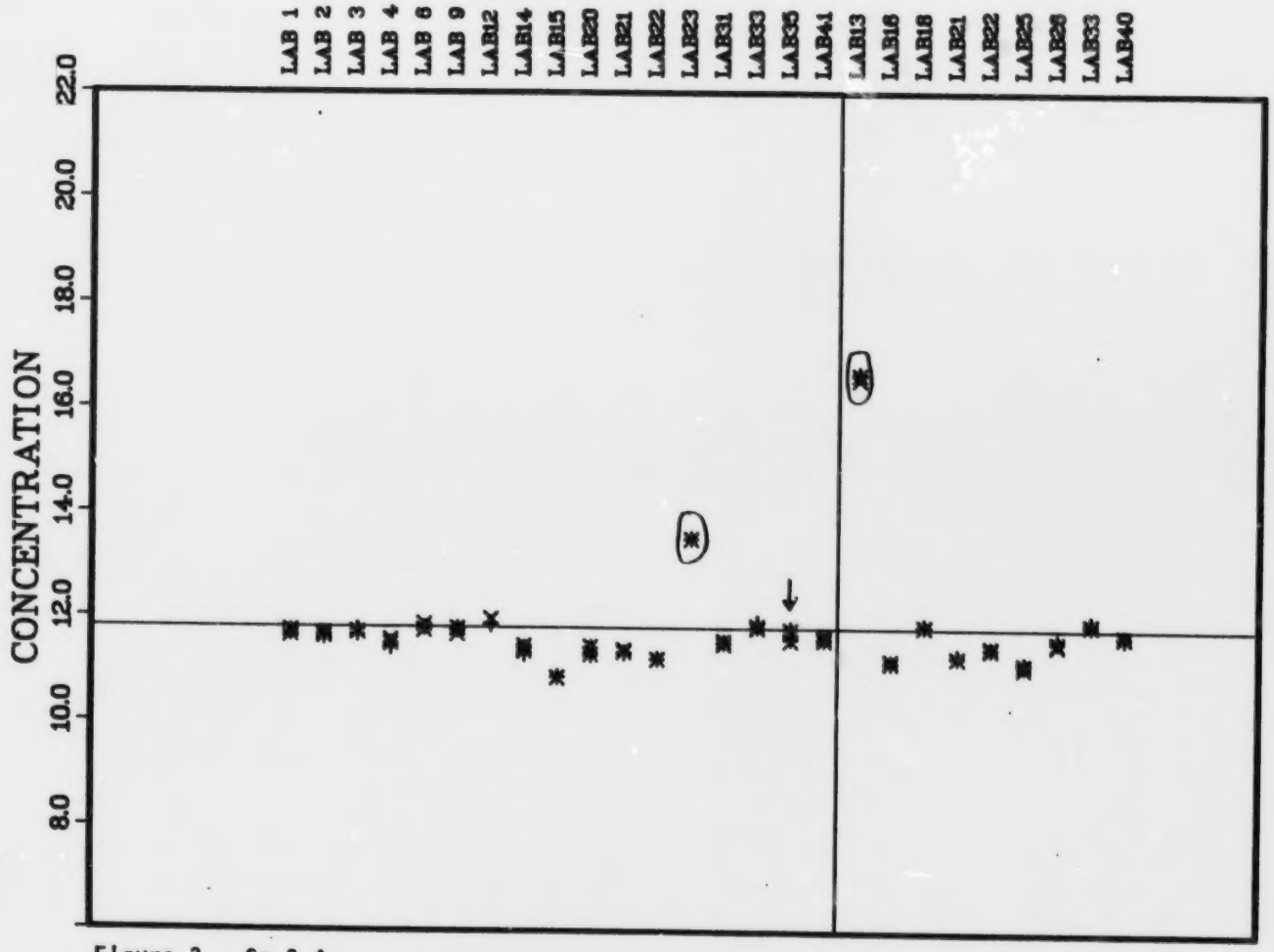


Figure 2. Ca 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE 79–4 LOSS CORRECTED ALPHA

Table 2. Ca 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	11.6520	11.7390	11.69825	.1794E-02
		2	11.6730	11.7290		
2	LAB 2	1	11.6290	11.6740	11.64300	.1138E-02
		2	11.6020	11.6670		
3	LAB 3	1	11.7130	11.7020	11.70925	.1435E-02
		2	11.7570	11.6650		
4	LAB 4	1	11.4850	11.5620	11.48950	.3734E-02
		2	11.4980	11.4130		
5	LAB 6	1	11.7470	11.8600	11.79700	.2198E-02
		2	11.7860	11.7950		
6	LAB 9	1	11.6750	11.7830	11.74400	.2538E-02
		2	11.7380	11.7800		
7	LAB12	1	11.9640	11.9610	11.91550	.3020E-02
		2	11.8790	11.8580		
8	LAB14	1	11.3530	11.4580	11.37950	.5599E-02
		2	11.2880	11.4190		
9	LAB15	1	10.8540	10.8510	10.86250	.1350E-03
		2	10.8730	10.8720		
10	LAB20	1	11.4320	11.3050	11.37050	.7191E-02
		2	11.4350	11.2900		
11	LAB21	1	11.3510	11.3870	11.35450	.5070E-03
		2	11.3440	11.3360		
12	LAB22	1	11.2100	11.2190	11.21800	.5800E-04
		2	11.2150	11.2280		
13	LAB23	1	13.5040	13.5070	13.51075	.4092E-04
		2	13.5140	13.5180		
14	LAB31	1	11.5640	11.5020	11.53350	.7077E-03
		2	11.5240	11.5440		
15	LAB33	1	11.8110	11.8470	11.85125	.2138E-02
		2	11.9170	11.8300		
16	LAB35	1	11.5750	11.7770	11.68825	.1308E-01
		2	11.6050	11.7960		
17	LAB41	1	11.5800	11.6320	11.60400	.5867E-03
		2	11.5880	11.6160		
18	LAB13	1	16.6510	16.5570	16.63075	.2587E-02
		2	16.6420	16.6730		
19	LAB16	1	11.1990	11.1550	11.17275	.4203E-03
		2	11.1580	11.1790		
20	LAB18	1	11.8490	11.8480	11.35725	.1083E-03
		2	11.8690	11.8630		
21	LAB21	1	11.2630	11.2620	11.27650	.5150E-03
		2	11.2710	11.3100		
22	LAB22	1	11.4240	11.4680	11.44575	.3709E-03
		2	11.4370	11.4540		
23	LAB25	1	11.0710	11.1450	11.12075	.1634E-02
		2	11.1060	11.1610		
24	LAB26	1	11.5130	11.5630	11.55875	.1079E-02
		2	11.5680	11.5910		
25	LAB33	1	11.9010	11.9050	11.91200	.6713E-03
		2	11.9500	11.8920		
26	LAB40	1	11.6990	11.6770	11.68350	.3743E-03
		2	11.6990	11.6590		

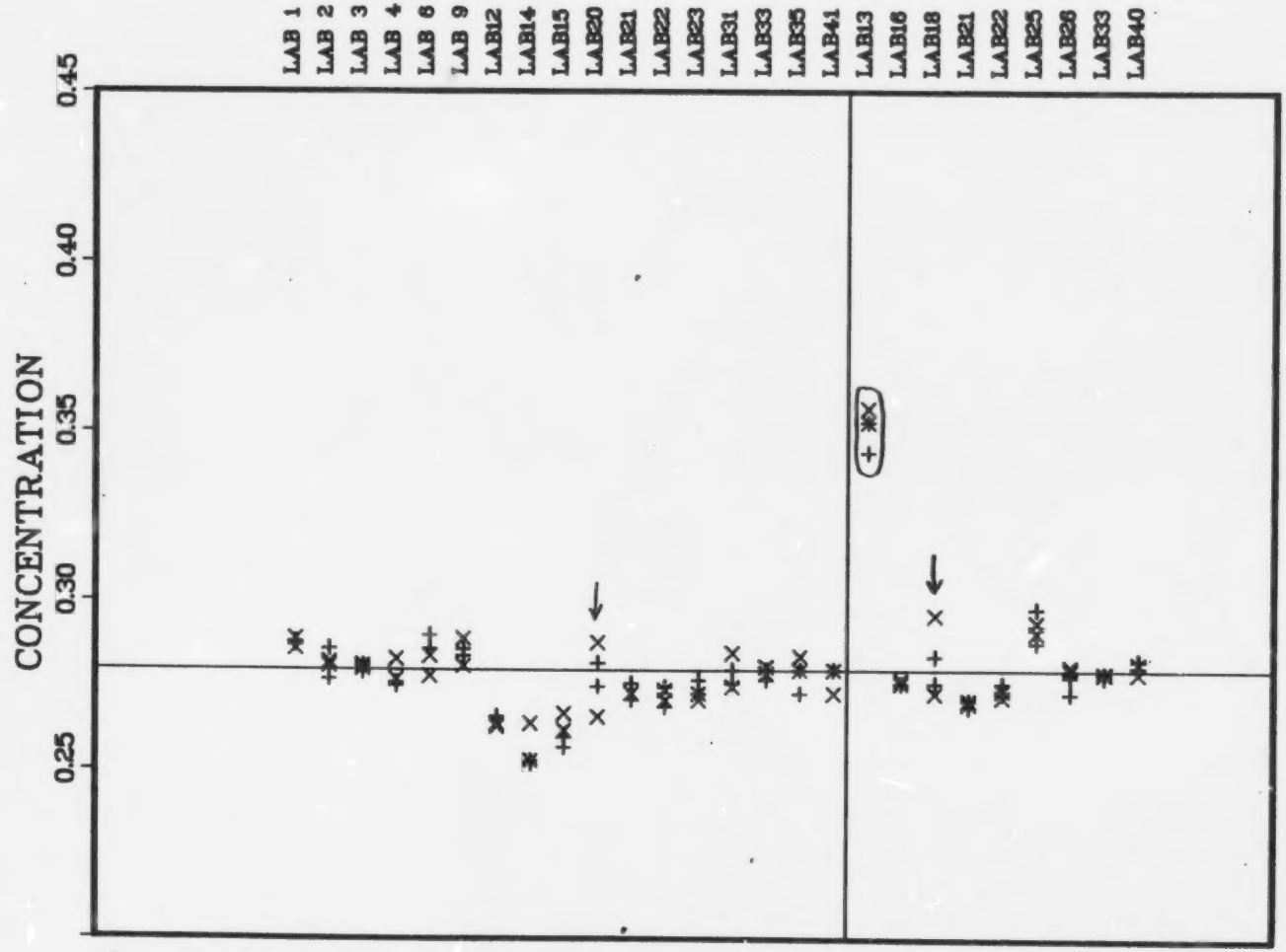


Figure 2. Ca 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE 79–13 LOSS CORRECTED ALPHA

Table 2. Ca 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2890	.2860	.28750	.1667E-05
		2	.2880	.2870		
2	LAB 2	1	.2810	.2820	.28150	.1367E-04
		2	.2770	.2860		
3	LAB 3	1	.2800	.2810	.28025	.9167E-06
		2	.2810	.2790		
4	LAB 4	1	.2830	.2770	.27775	.1292E-04
		2	.2760	.2750		
5	LAB 6	1	.2780	.2840	.28450	.2500E-04
		2	.2900	.2860		
6	LAB 9	1	.2890	.2810	.28500	.1133E-04
		2	.2860	.2840		
7	LAB12	1	.2640	.2630	.26450	.1667E-05
		2	.2660	.2650		
8	LAB14	1	.2530	.2640	.25550	.3233E-04
		2	.2520	.2530		
9	LAB15	1	.2670	.2620	.26150	.1767E-04
		2	.2570	.2600		
10	LAB20	1	.2880	.2660	.27775	.8958E-04
		2	.2750	.2820		
11	LAB21	1	.2730	.2730	.27325	.4250E-05
		2	.2760	.2710		
12	LAB22	1	.2740	.2710	.27225	.7583E-05
		2	.2690	.2750		
13	LAB23	1	.2730	.2710	.27350	.6333E-05
		2	.2770	.2730		
14	LAB31	1	.2750	.2850	.27900	.2067E-04
		2	.2760	.2800		
15	LAB33	1	.2790	.2810	.27925	.2917E-05
		2	.2800	.2770		
16	LAB35	1	.2800	.2840	.27925	.2092E-04
		2	.2730	.2800		
17	LAB41	1	.2730	.2800	.27825	.1225E-04
		2	.2800	.2800		
18	LAB13	1	.3570	.3530	.35175	.3025E-04
		2	.3440	.3530		
19	LAB16	1	.2770	.2760	.27625	.2500E-06
		2	.2760	.2760		
20	LAB18	1	.2730	.2960	.28225	.1056E-03
		2	.2760	.2840		
21	LAB21	1	.2700	.2710	.27025	.9167E-06
		2	.2710	.2690		
22	LAB22	1	.2740	.2720	.27375	.2917E-05
		2	.2760	.2730		
23	LAB25	1	.2940	.2910	.29275	.1825E-04
		2	.2880	.2980		
24	LAB26	1	.2810	.2800	.27800	.1267E-04
		2	.2780	.2730		
25	LAB33	1	.2790	.2790	.27875	.2500E-06
		2	.2790	.2780		
26	LAB40	1	.2820	.2790	.28175	.3583E-05
		2	.2830	.2830		

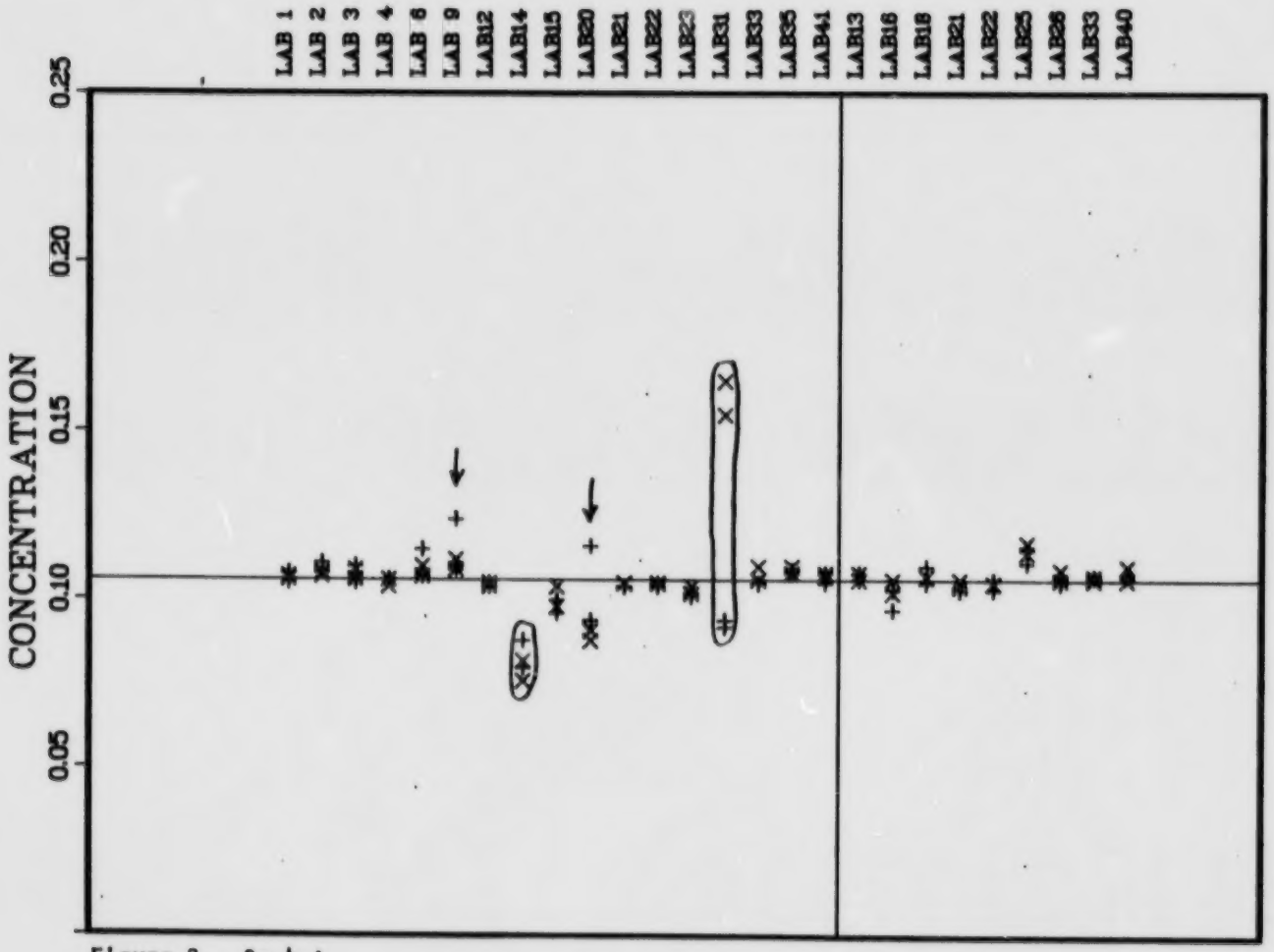


Figure 2. Ca 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE: 83-1 LOSS CORRECTED ALPHA

Table 2. Ca 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 83-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1070	.1060	.10650	.1667E-05
		2	.1080	.1050		
2	LAB 2	1	.1070	.1080	.10850	.3000E-05
		2	.1110	.1080		
3	LAB 3	1	.1090	.1060	.10750	.5667E-05
		2	.1100	.1050		
4	LAB 4	1	.1060	.1040	.10550	.1000E-05
		2	.1060	.1060		
5	LAB 6	1	.1100	.1070	.10975	.1425E-04
		2	.1150	.1070		
6	LAB 9	1	.1120	.1090	.11350	.5100E-04
		2	.1240	.1090		
7	LAB12	1	.1040	.1050	.10450	.3333E-06
		2	.1040	.1050		
8	LAB14	1	.0760	.0820	.08150	.2500E-04
		2	.0800	.0880		
9	LAB15	1	.0980	.1040	.09950	.1167E-04
		2	.1000	.0960		
10	LAB20	1	.0910	.0880	.09725	.1623E-03
		2	.0940	.1160		
11	LAB21	1	.1050	.1050	.10450	.3333E-06
		2	.1040	.1040		
12	LAB22	1	.1050	.1050	.10475	.2500E-06
		2	.1040	.1050		
13	LAB23	1	.1040	.1020	.10225	.1583E-05
		2	.1010	.1020		
14	LAB31	1	.1650	.1550	.12650	.1514E-02
		2	.0940	.0920		
15	LAB33	1	.1060	.1100	.10650	.5667E-05
		2	.1050	.1050		
16	LAB35	1	.1080	.1100	.10875	.9167E-06
		2	.1090	.1080		
17	LAB41	1	.1080	.1070	.10700	.2000E-05
		2	.1080	.1050		
18	LAB13	1	.1060	.1080	.10700	.1333E-05
		2	.1080	.1060		
19	LAB16	1	.1060	.1020	.10200	.1400E-04
		2	.0970	.1030		
20	LAB18	1	.1070	.1070	.10725	.4250E-05
		2	.1050	.1100		
21	LAB21	1	.1060	.1040	.10400	.2000E-05
		2	.1030	.1030		
22	LAB22	1	.1050	.1050	.10475	.1583E-05
		2	.1060	.1030		
23	LAB25	1	.1140	.1170	.11425	.6250E-05
		2	.1150	.1110		
24	LAB26	1	.1090	.1060	.10675	.2917E-05
		2	.1070	.1050		
25	LAB33	1	.1070	.1060	.10675	.2500E-06
		2	.1070	.1070		
26	LAB40	1	.1100	.1060	.10775	.2917E-05
		2	.1080	.1070		

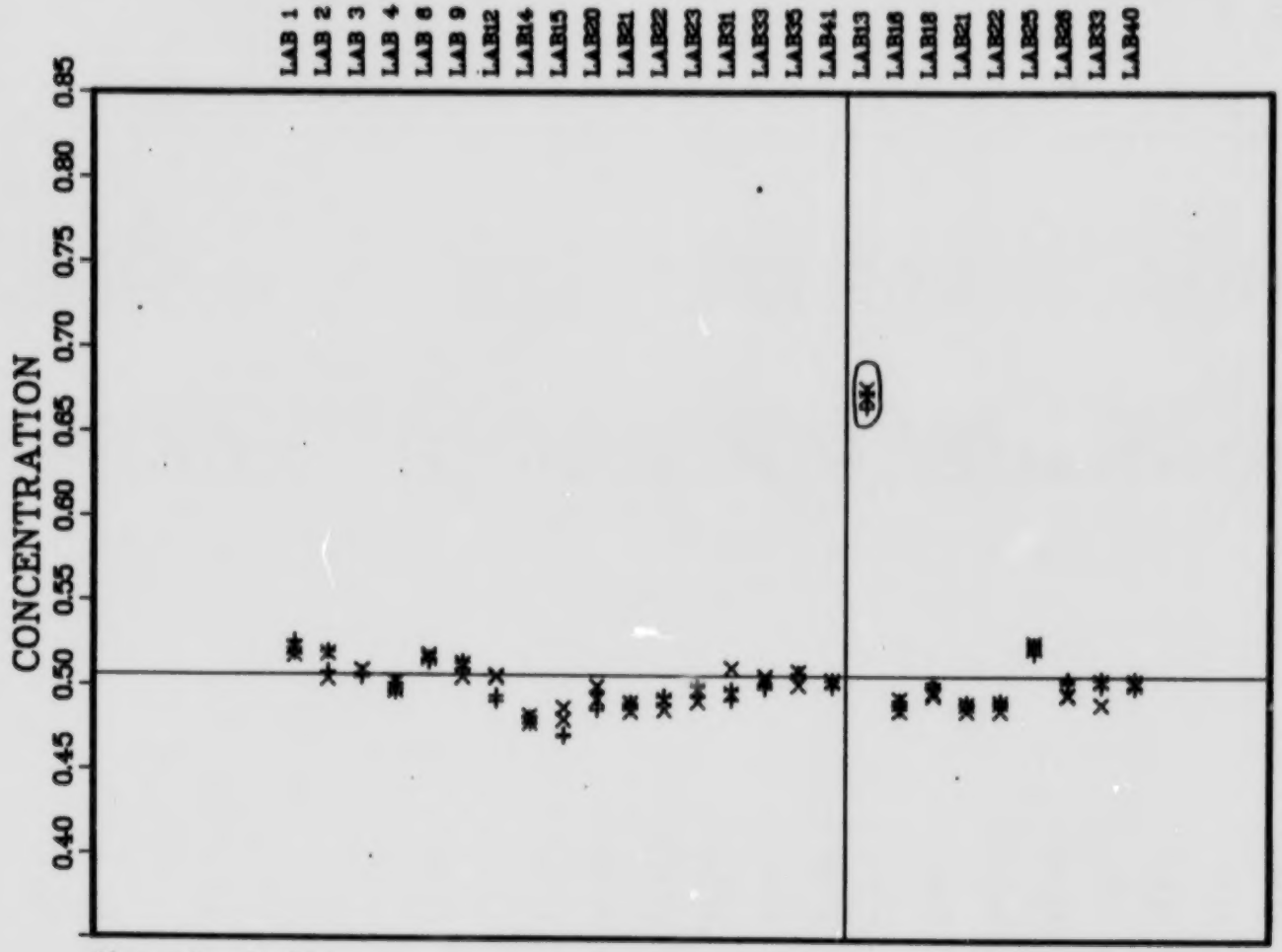


Figure 2. Ca 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE: 83-9 LOSS CORRECTED ALPHA

Table 2. Ca S.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.5220	.5180	.52125	.1292E-04
		2	.5260	.5190		
2	LAB 2	1	.5040	.5190	.51275	.6358E-04
		2	.5080	.5200		
3	LAB 3	1	.5090	.5090	.50750	.3667E-05
		2	.5070	.5050		
4	LAB 4	1	.5020	.4970	.49900	.8667E-05
		2	.4960	.5010		
5	LAB 6	1	.5180	.5160	.51600	.2667E-05
		2	.5160	.5140		
6	LAB 9	1	.5050	.5130	.51050	.1633E-04
		2	.5140	.5100		
7	LAB12	1	.5060	.5050	.49900	.5800E-04
		2	.4940	.4910		
8	LAB14	1	.4780	.4820	.47975	.4250E-05
		2	.4780	.4810		
9	LAB15	1	.4870	.4800	.47700	.6467E-04
		2	.4700	.4710		
10	LAB20	1	.5000	.4920	.49375	.3758E-04
		2	.4970	.4860		
11	LAB21	1	.4900	.4850	.48800	.6000E-05
		2	.4870	.4900		
12	LAB22	1	.4920	.4860	.49150	.1433E-04
		2	.4940	.4940		
13	LAB23	1	.4980	.4910	.49575	.1625E-04
		2	.5000	.4940		
14	LAB31	1	.4960	.5110	.49925	.6758E-04
		2	.4920	.4980		
15	LAB33	1	.5060	.5030	.50200	.1000E-04
		2	.5000	.4990		
16	LAB35	1	.5010	.5090	.50575	.1292E-04
		2	.5050	.5080		
17	LAB41	1	.5040	.5030	.50275	.3583E-05
		2	.5040	.5000		
18	LAB13	1	.6710	.6760	.67150	.2300E-04
		2	.6650	.6740		
19	LAB16	1	.4930	.4860	.48950	.1233E-04
		2	.4920	.4870		
20	LAB18	1	.4950	.4970	.49875	.1225E-04
		2	.5000	.5030		
21	LAB21	1	.4900	.4860	.48900	.4667E-05
		2	.4910	.4890		
22	LAB22	1	.4910	.4860	.48975	.6917E-05
		2	.4900	.4920		
23	LAB25	1	.5230	.5260	.52350	.7000E-05
		2	.5200	.5250		
24	LAB26	1	.4950	.4960	.49975	.2492E-04
		2	.5050	.5030		
25	LAB33	1	.5040	.4900	.50000	.4733E-04
		2	.5010	.5050		
26	LAB40	1	.5040	.5020	.50275	.4917E-05
		2	.5000	.5050		

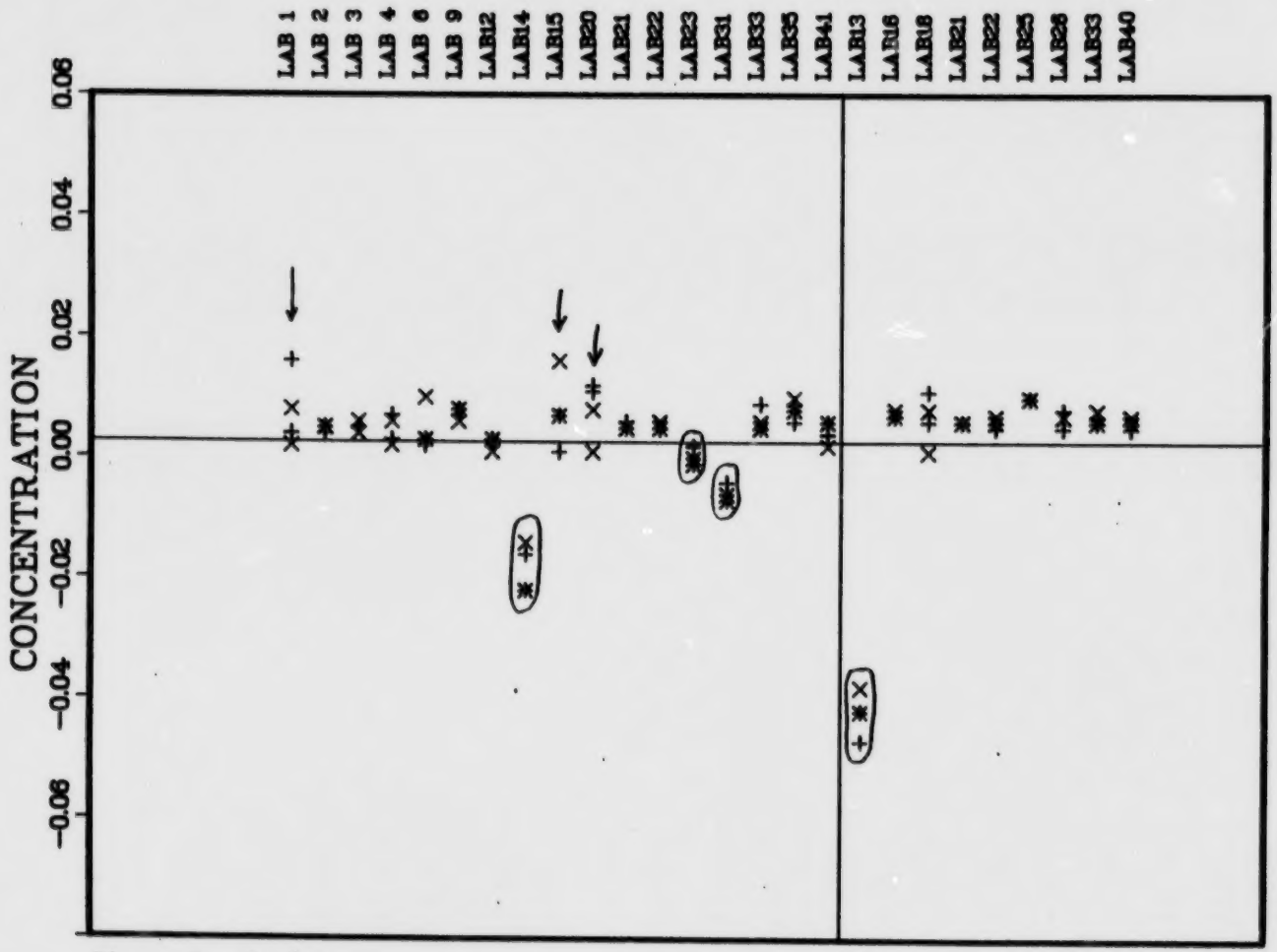


Figure 2. Ca 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE 83-16 LOSS CORRECTED ALPHA

Table 2. Ca 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0080	.0020	.00750	.3833E-04
		2	.0160	.0040		
2	LAB 2	1	.0050	.0050	.00475	.2500E-06
		2	.0050	.0040		
3	LAB 3	1	.0060	.0040	.00500	.6667E-06
		2	.0050	.0050		
4	LAB 4	1	.0060	.0020	.00450	.5667E-05
		2	.0070	.0030		
5	LAB 6	1	.0100	.0030	.00450	.1367E-04
		2	.0030	.0020		
6	LAB 9	1	.0060	.0080	.00725	.9167E-06
		2	.0080	.0070		
7	LAB12	1	.0030	.0010	.00250	.1000E-05
		2	.0030	.0030		
8	LAB14	1	-.0220	-.0140	-.01850	.1700E-04
		2	-.0220	-.0160		
9	LAB15	1	.0070	.0160	.00775	.3825E-04
		2	.0070	.0010		
10	LAB20	1	.0080	.0010	.00800	.2467E-04
		2	.0110	.0120		
11	LAB21	1	.0050	.0050	.00525	.2500E-06
		2	.0060	.0050		
12	LAB22	1	.0060	.0050	.00525	.2500E-06
		2	.0050	.0050		
13	LAB23	1	0.0000	-.0010	0.00000	.2000E-05
		2	.0020	-.0010		
14	LAB31	1	-.0060	-.0070	-.00600	.2000E-05
		2	-.0070	-.0040		
15	LAB33	1	.0060	.0050	.00625	.3583E-05
		2	.0090	.0050		
16	LAB35	1	.0100	.0080	.00800	.2667E-05
		2	.0060	.0080		
17	LAB41	1	.0020	.0060	.00450	.3667E-05
		2	.0040	.0060		
18	LAB13	1	-.0420	-.0380	-.04225	.1358E-04
		2	-.0470	-.0420		
19	LAB16	1	.0080	.0070	.00725	.2500E-06
		2	.0070	.0070		
20	LAB18	1	.0010	.0080	.00650	.1767E-04
		2	.0060	.0110		
21	LAB21	1	.0060	.0060	.00600	0.
		2	.0060	.0060		
22	LAB22	1	.0060	.0070	.00600	.6667E-06
		2	.0060	.0050		
23	LAB25	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
24	LAB26	1	.0070	.0070	.00675	.1583E-05
		2	.0080	.0050		
25	LAB33	1	.0080	.0060	.00650	.1000E-05
		2	.0060	.0060		
26	LAB40	1	.0070	.0060	.00600	.6667E-06
		2	.0060	.0050		

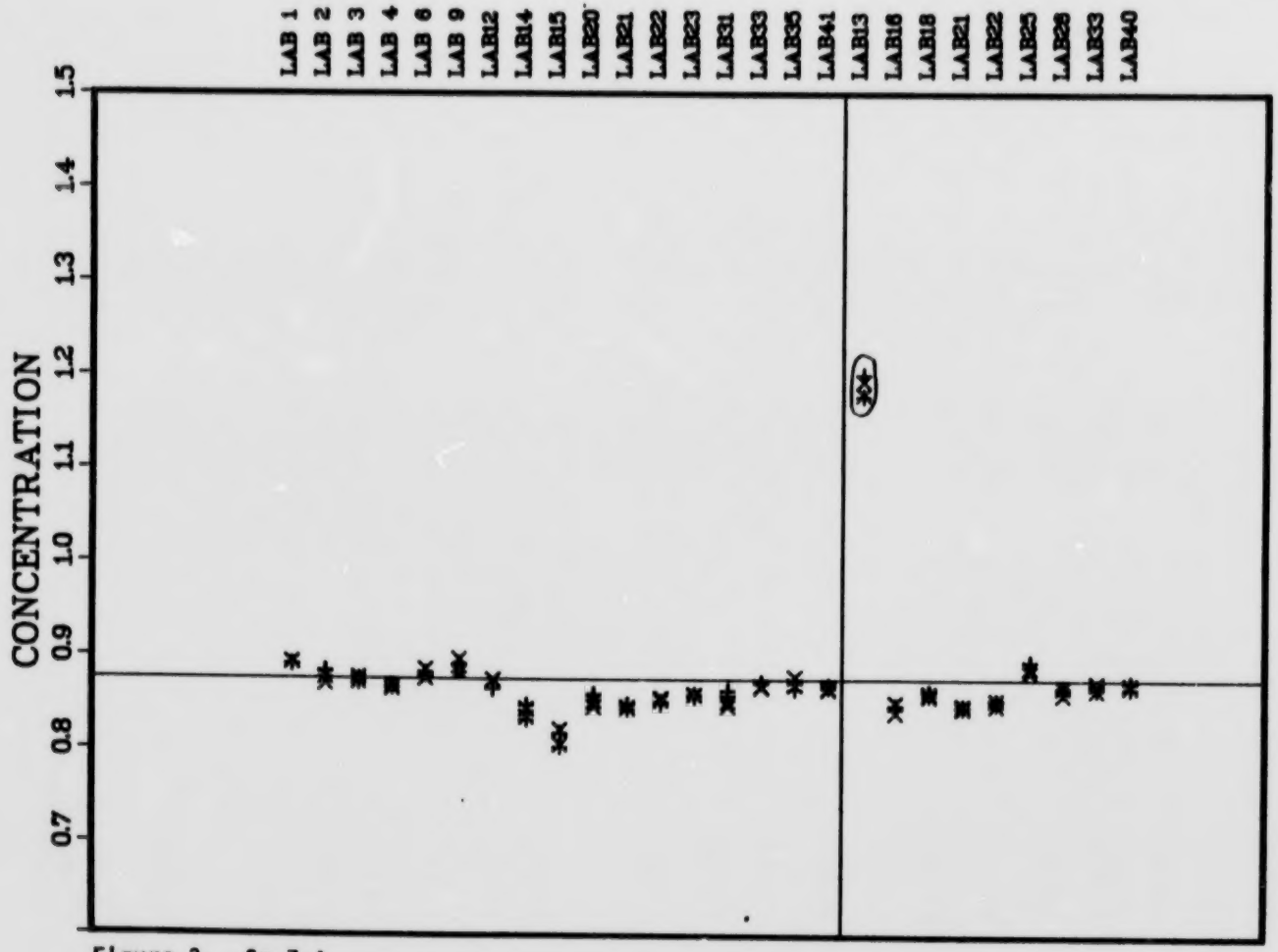


Figure 2. Ca 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE: 83-17 LOSS CORRECTED ALPHA

Table 2. Ca 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 83-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.8930	.8930	.89200	.1333E-05
		2	.8910	.8910		
2	LAB 2	1	.8770	.8700	.87850	.4167E-04
		2	.8830	.8840		
3	LAB 3	1	.8770	.8720	.87375	.7583E-05
		2	.8750	.8710		
4	LAB 4	1	.8650	.8680	.86650	.1667E-05
		2	.8670	.8660		
5	LAB 6	1	.8760	.8860	.88075	.1825E-04
		2	.8790	.8820		
6	LAB 9	1	.8970	.8830	.88875	.4825E-04
		2	.8830	.8920		
7	LAB12	1	.8750	.8750	.87000	.3333E-04
		2	.8650	.8650		
8	LAB14	1	.8350	.8440	.83975	.5625E-04
		2	.8320	.8480		
9	LAB15	1	.8060	.8220	.81225	.8425E-04
		2	.8030	.8180		
10	LAB20	1	.8520	.8460	.85275	.3292E-04
		2	.8600	.8530		
11	LAB21	1	.8460	.8450	.84600	.4667E-05
		2	.8490	.8440		
12	LAB22	1	.8530	.8560	.85250	.8333E-05
		2	.8490	.8520		
13	LAB23	1	.8600	.8590	.85900	.2000E-05
		2	.8600	.8570		
14	LAB31	1	.8470	.8520	.85525	.5425E-04
		2	.8580	.8640		
15	LAB33	1	.8690	.8670	.87025	.7583E-05
		2	.8720	.8730		
16	LAB35	1	.8700	.8790	.87175	.3425E-04
		2	.8650	.8730		
17	LAB41	1	.8650	.8670	.86725	.4250E-05
		2	.8700	.8670		
18	LAB13	1	1.1940	1.1800	1.18825	.1229E-03
		2	1.1780	1.2010		
19	LAB16	1	.8510	.8400	.84600	.2200E-04
		2	.8480	.8450		
20	LAB18	1	.8610	.8580	.86025	.4917E-05
		2	.8590	.8630		
21	LAB21	1	.8450	.8480	.84650	.1667E-05
		2	.8470	.8460		
22	LAB22	1	.8540	.8480	.85125	.7583E-05
		2	.8500	.8530		
23	LAB25	1	.8840	.8890	.88975	.2092E-04
		2	.8910	.8950		
24	LAB26	1	.8600	.8680	.86500	.1467E-04
		2	.8640	.8680		
25	LAB33	1	.8730	.8650	.86825	.1292E-04
		2	.8690	.8660		
26	LAB40	1	.8710	.8690	.87000	.6667E-05
		2	.8670	.8730		

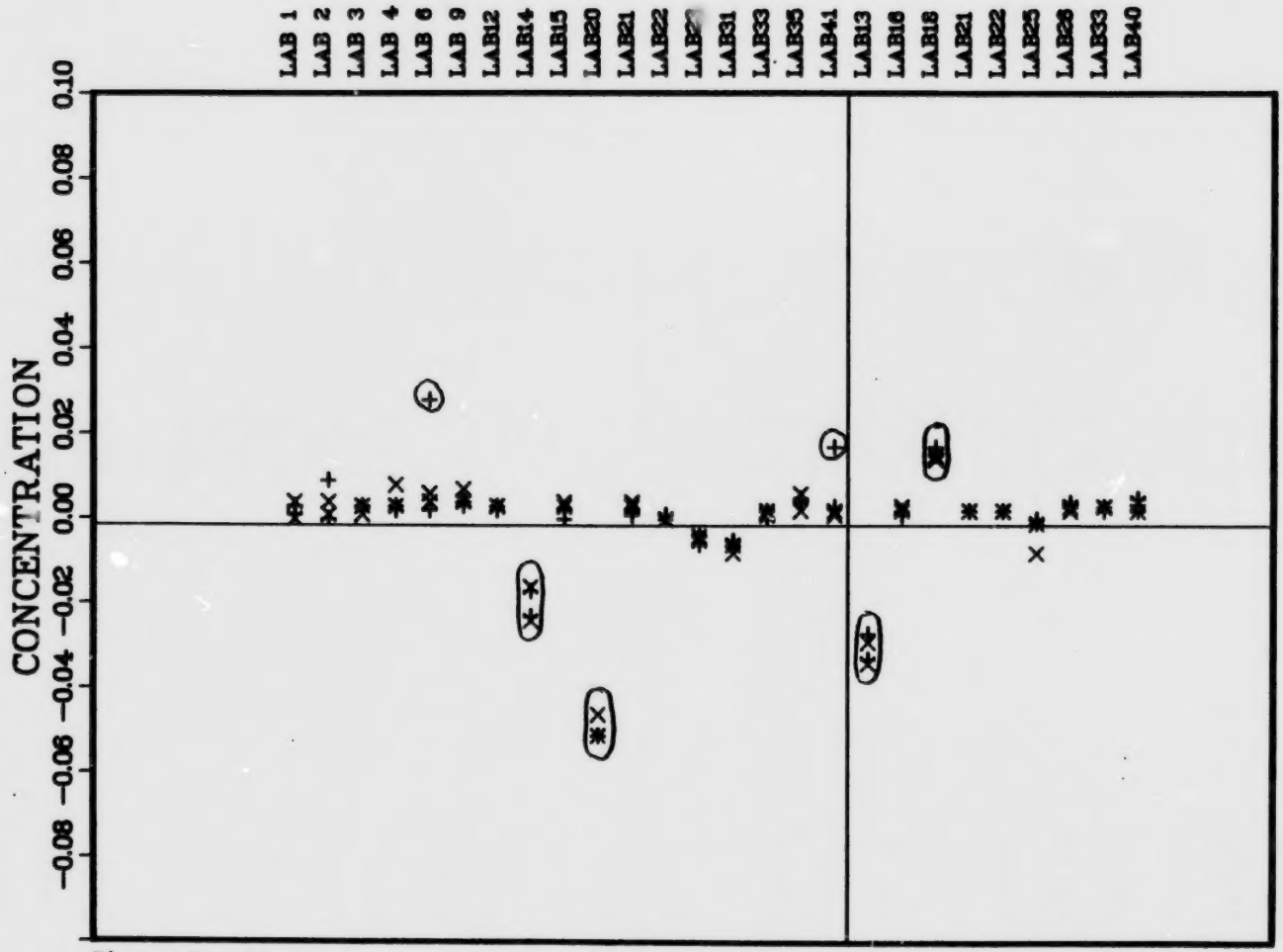


Figure 2. Ca I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE: 77–6 LOSS ON FUSION CORRECTED

Table 2. Ca I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 77-8 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0040	0.0000	.00200	.3333E-05
		2	.0030	.0010		
2	LAB 2	1	.0010	.0040	.00350	.1633E-04
		2	.0090	0.0000		
3	LAB 3	1	.0030	.0010	.00250	.1000E-05
		2	.0030	.0030		
4	LAB 4	1	.0080	.0030	.00400	.7333E-05
		2	.0030	.0020		
5	LAB 6	1	.0040	.0060	.01000	.1467E-03
		2	.0280	.0020		
6	LAB 9	1	.0070	.0040	.00450	.3000E-05
		2	.0030	.0040		
7	LAB12	1	.0030	.0030	.00275	.2500E-06
		2	.0020	.0030		
8	LAB14	1	-.0240	-.0160	-.02000	.1667E-04
		2	-.0230	-.0170		
9	LAB15	1	.0040	.0030	.00225	.2917E-05
		2	0.0000	.0020		
10	LAB20	1	-.0510	-.0460	-.04975	.6250E-05
		2	-.0510	-.0510		
11	LAB21	1	.0040	.0030	.00250	.1667E-05
		2	.0020	.0010		
12	LAB22	1	0.0000	0.0000	.00025	.2500E-06
		2	.0010	0.0000		
13	LAB23	1	-.0050	-.0040	-.00475	.9167E-06
		2	-.0060	-.0040		
14	LAB31	1	-.0060	-.0080	-.00625	.1583E-05
		2	-.0050	-.0060		
15	LAB33	1	.0020	.0010	.00125	.9167E-06
		2	.0020	0.0000		
16	LAB35	1	.0060	.0020	.00425	.2917E-05
		2	.0040	.0050		
17	LAB41	1	.0010	.0020	.00575	.5692E-04
		2	.0170	.0030		
18	LAB13	1	-.0340	-.0290	-.03075	.1092E-04
		2	-.0330	-.0270		
19	LAB16	1	.0030	.0020	.00200	.6667E-06
		2	.0020	.0010		
20	LAB18	1	.0150	.0140	.01525	.1583E-05
		2	.0150	.0170		
21	LAB21	1	.0020	.0020	.00200	0.
		2	.0020	.0020		
22	LA922	1	.0020	.0020	.00200	0.
		2	.0020	.0020		
23	LAB25	1	-.0080	-.0010	-.00250	.1367E-04
		2	0.0000	-.0010		
24	LAB26	1	.0030	.0020	.00300	.6667E-06
		2	.0040	.0030		
25	LAB33	1	.0030	.0030	.00275	.2500E-06
		2	.0020	.0030		
26	LAB40	1	.0020	.0040	.00325	.2250E-05
		2	.0050	.0020		

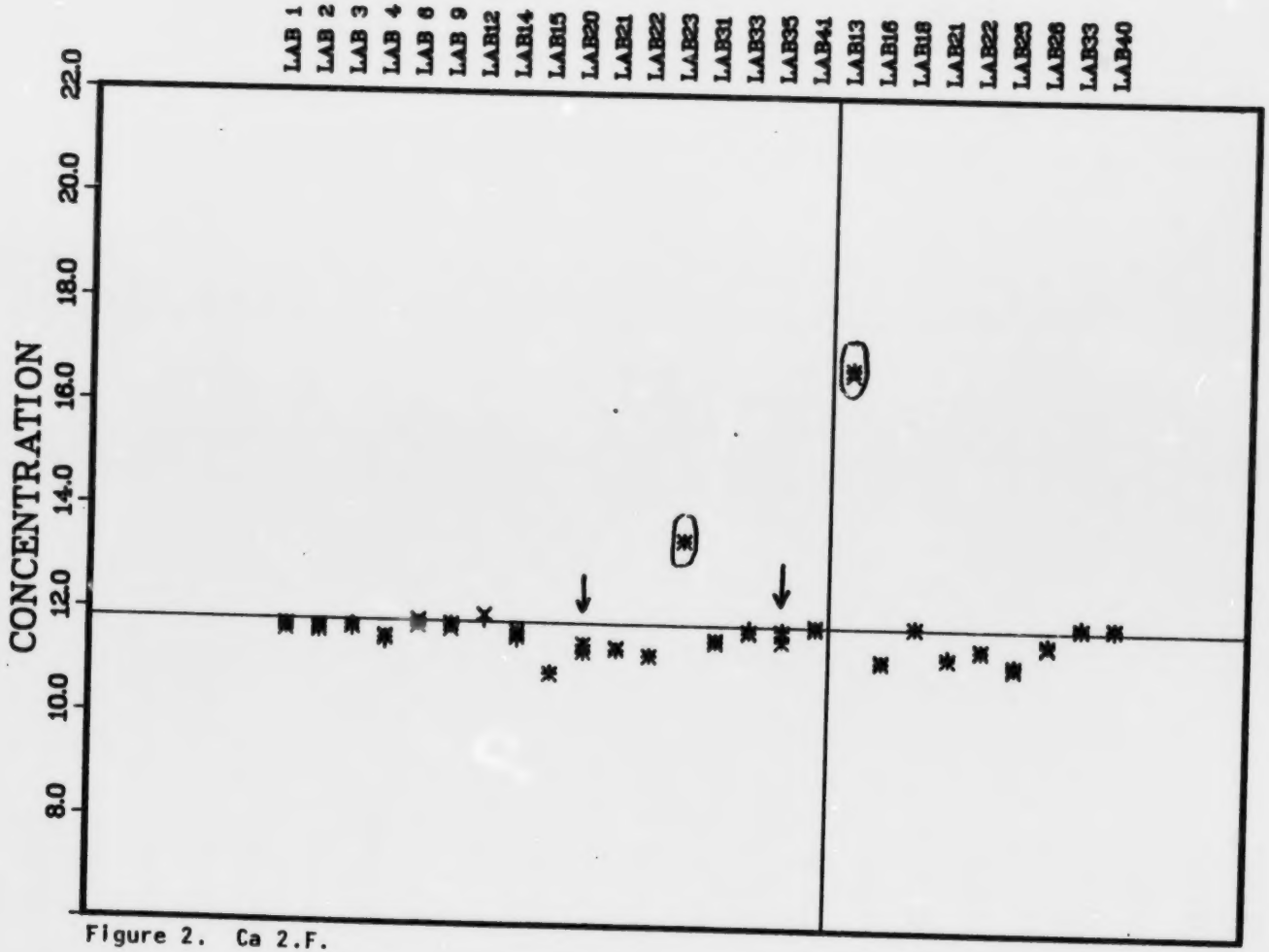


Figure 2. Ca 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE 79–4 LOSS ON FUSION CORRECTED

Table 2. Ca 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	11.6510	11.7400	11.69900	.1841E-02
		2	11.6750	11.7300		
2	LAB 2	1	11.6270	11.6790	11.64800	.1045E-02
		2	11.6140	11.6720		
3	LAB 3	1	11.7070	11.7020	11.70625	.1129E-02
		2	11.7490	11.6670		
4	LAB 4	1	11.4940	11.5390	11.49200	.2399E-02
		2	11.5110	11.4240		
5	LAB 6	1	11.7490	11.8560	11.79675	.1969E-02
		2	11.7860	11.7960		
6	LAB 9	1	11.6930	11.7920	11.75600	.2157E-02
		2	11.7490	11.7900		
7	LAB12	1	11.9650	11.9700	11.92475	.2495E-02
		2	11.8910	11.8730		
8	LAB14	1	11.5690	11.6720	11.59575	.5231E-02
		2	11.5080	11.6340		
9	LAB15	1	10.8690	10.8660	10.87900	.1780E-03
		2	10.8900	10.8910		
10	LAB20	1	11.4490	11.3050	11.36800	.6925E-02
		2	11.4300	11.2880		
11	LAB21	1	11.3590	11.3880	11.36150	.3457E-03
		2	11.3540	11.3450		
12	LAB22	1	11.2410	11.2460	11.24800	.3933E-04
		2	11.2490	11.2560		
13	LAB23	1	13.4510	13.4600	13.45525	.1425E-04
		2	13.4540	13.4560		
14	LAB31	1	11.5670	11.5140	11.54325	.5449E-03
		2	11.5360	11.5560		
15	LAB33	1	11.7120	11.7470	11.75200	.1919E-02
		2	11.8140	11.7350		
16	LAB35	1	11.5530	11.7570	11.66850	.1398E-01
		2	11.5810	11.7830		
17	LAB41	1	11.8010	11.8530	11.82550	.6037E-03
		2	11.8090	11.8390		
18	LAB13	1	16.8030	16.7070	16.78200	.2701E-02
		2	16.7920	16.8260		
19	LAB16	1	11.2220	11.1780	11.19750	.3737E-03
		2	11.1870	11.2030		
20	LAB18	1	11.8590	11.8600	11.86775	.9158E-04
		2	11.8770	11.8750		
21	LAB21	1	11.2820	11.2820	11.29600	.6140E-03
		2	11.2870	11.3330		
22	LAB22	1	11.4350	11.4690	11.45200	.1987E-03
		2	11.4490	11.4550		
23	LAB25	1	11.0990	11.1670	11.14600	.1482E-02
		2	11.1320	11.1860		
24	LAB26	1	11.5270	11.5750	11.57150	.1057E-02
		2	11.5790	11.6050		
25	LAB33	1	11.8980	11.9030	11.91175	.6589E-03
		2	11.9500	11.8960		
26	LAB40	1	11.9230	11.9030	11.90875	.3709E-03
		2	11.9250	11.8840		

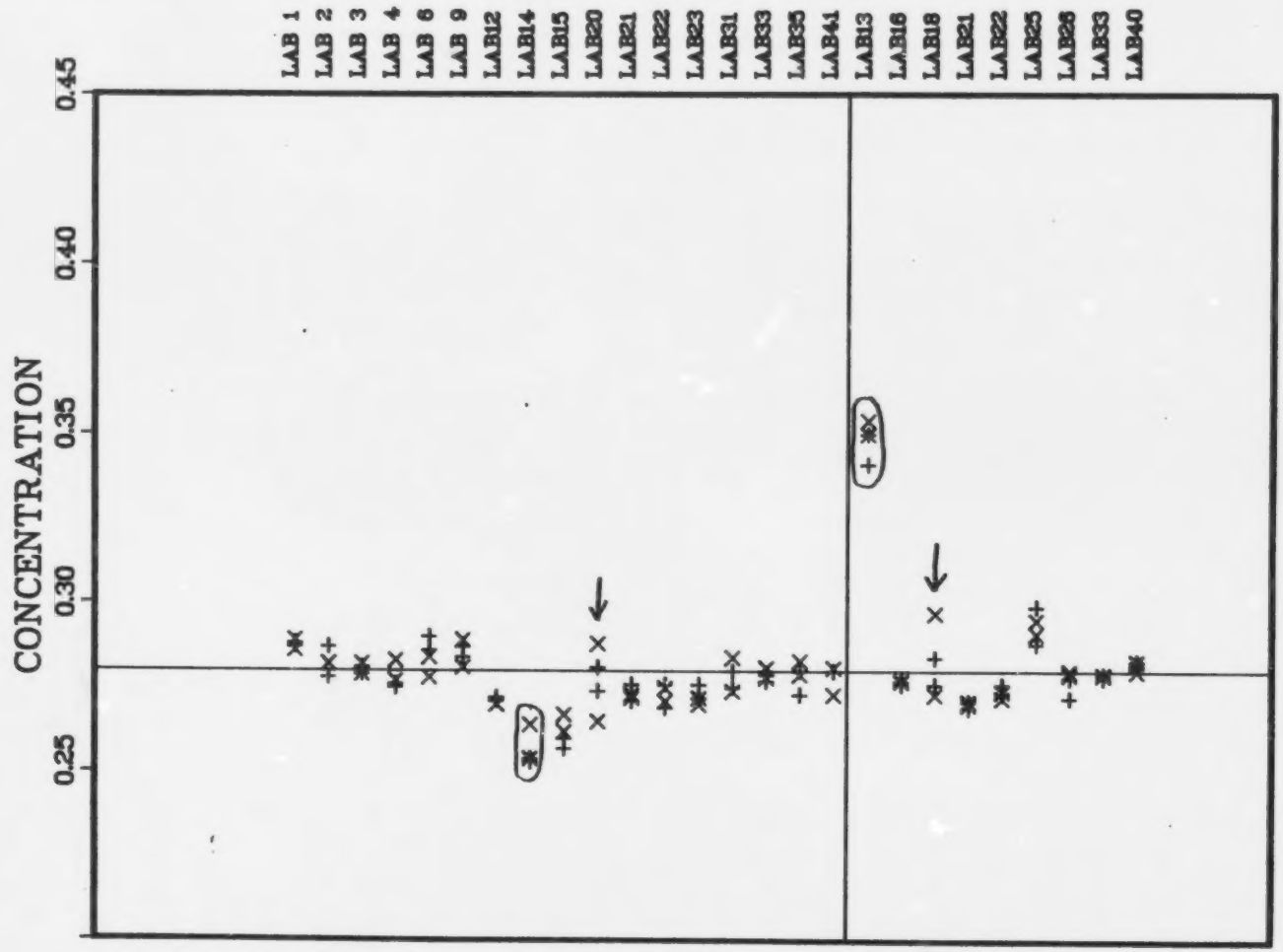


Figure 2. Ca 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE 79-13 LOSS ON FUSION CORRECTED

Table 2. Ca 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2890	.2860	.28750	.1667E-05
		2	.2880	.2870		
2	LAB 2	1	.2820	.2820	.28225	.1358E-04
		2	.2780	.2870		
3	LAB 3	1	.2790	.2820	.28025	.2250E-05
		2	.2810	.2790		
4	LAB 4	1	.2830	.2770	.27775	.1292E-04
		2	.2760	.2750		
5	LAB 6	1	.2780	.2840	.28450	.2500E-04
		2	.2900	.2860		
6	LAB 9	1	.2890	.2810	.28525	.1225E-04
		2	.2870	.2840		
7	LAB12	1	.2700	.2700	.27075	.9167E-06
		2	.2720	.2710		
8	LAB14	1	.2540	.2640	.25625	.2692E-04
		2	.2530	.2540		
9	LAB15	1	.2670	.2620	.26150	.1767E-04
		2	.2570	.2600		
10	LAB20	1	.2880	.2650	.27700	.9667E-04
		2	.2740	.2810		
11	LAB21	1	.2730	.2720	.27300	.4667E-05
		2	.2760	.2710		
12	LAB22	1	.2750	.2710	.27275	.1092E-04
		2	.2690	.2760		
13	LAB23	1	.2720	.2700	.27250	.6333E-05
		2	.2760	.2720		
14	LAB31	1	.2740	.2840	.27825	.2158E-04
		2	.2750	.2800		
15	LAB33	1	.2780	.2810	.27875	.2917E-05
		2	.2790	.2770		
16	LAB35	1	.2790	.2830	.27875	.1758E-04
		2	.2730	.2800		
17	LAB41	1	.2730	.2810	.27850	.1367E-04
		2	.2800	.2800		
18	LAB13	1	.3540	.3500	.34875	.3025E-04
		2	.3410	.3500		
19	LAB16	1	.2770	.2770	.27675	.2500E-06
		2	.2770	.2760		
20	LAB18	1	.2730	.2970	.28250	.1150E-03
		2	.2760	.2840		
21	LAB21	1	.2700	.2710	.27025	.9167E-06
		2	.2710	.2690		
22	LAB22	1	.2740	.2720	.27375	.2917E-05
		2	.2760	.2730		
23	LAB25	1	.2950	.2910	.29325	.2292E-04
		2	.2880	.2990		
24	LAB26	1	.2800	.2790	.27725	.1292E-04
		2	.2780	.2720		
25	LAB33	1	.2790	.2790	.27875	.2500E-06
		2	.2790	.2780		
26	LAB40	1	.2830	.2800	.28225	.2250E-05
		2	.2830	.2830		

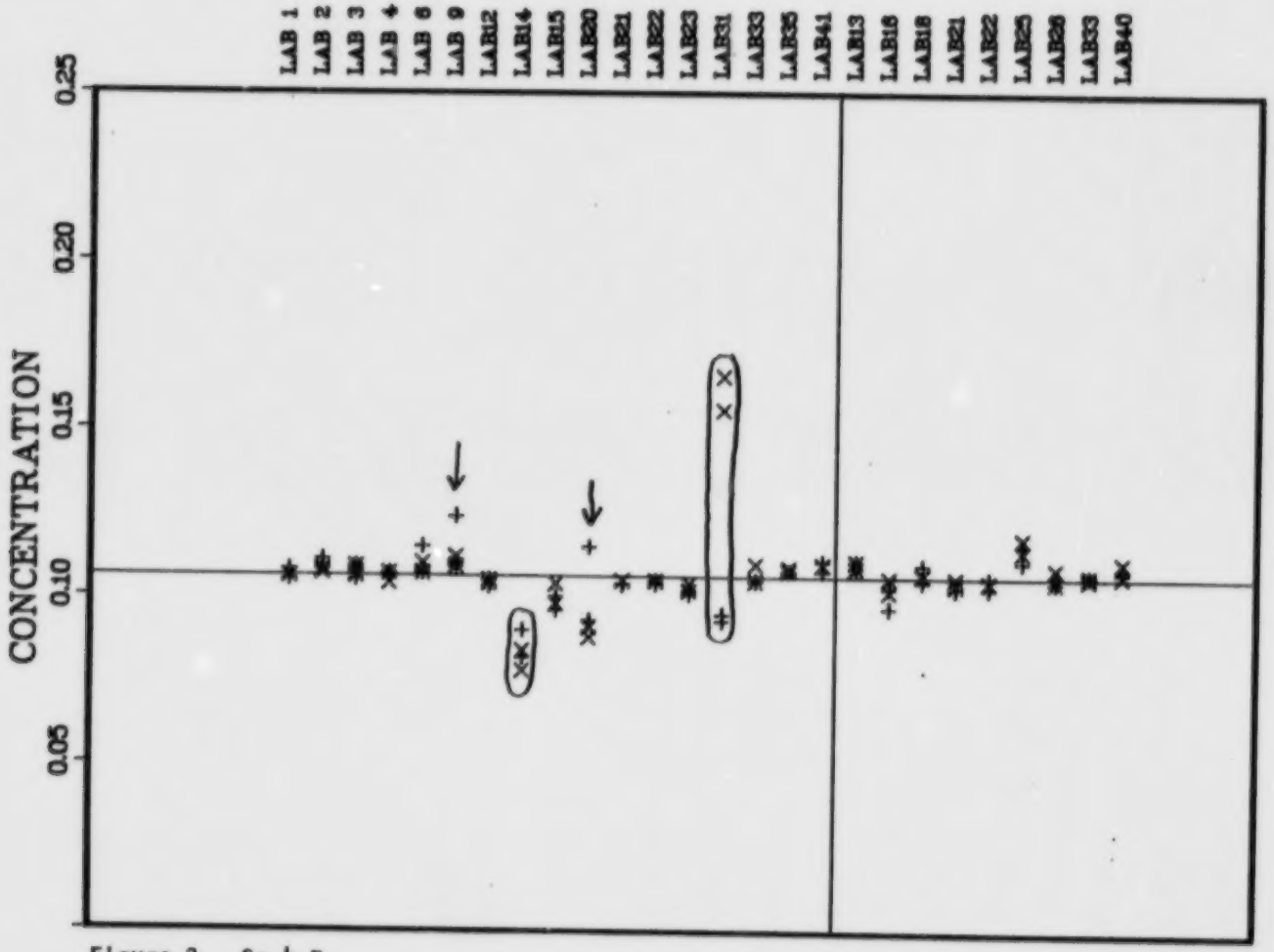


Figure 2. Ca 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE: 83-1 LOSS ON FUSION CORRECTED

Table 2. Ca 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1060	.1060	.10625	.1583E-05
		2	.1080	.1050		
2	LAB 2	1	.1070	.1080	.10850	.3000E-05
		2	.1110	.1080		
3	LAB 3	1	.1090	.1060	.10725	.4250E-05
		2	.1090	.1050		
4	LAB 4	1	.1070	.1040	.10600	.2000E-05
		2	.1070	.1060		
5	LAB 6	1	.1100	.1070	.10975	.1425E-04
		2	.1150	.1070		
6	LAB 9	1	.1120	.1090	.11350	.5100E-04
		2	.1240	.1090		
7	LAB12	1	.1040	.1050	.10425	.9167E-06
		2	.1030	.1050		
8	LAB14	1	.0780	.0840	.08350	.2500E-04
		2	.0820	.0900		
9	LAB15	1	.0980	.1040	.09950	.1167E-04
		2	.1000	.0960		
10	LAB20	1	.0910	.0880	.09675	.1522E-03
		2	.0930	.1150		
11	LAB21	1	.1050	.1050	.10450	.3333E-06
		2	.1040	.1040		
12	LAB22	1	.1050	.1050	.10475	.2500E-06
		2	.1040	.1050		
13	LAB23	1	.1040	.1020	.10225	.1583E-05
		2	.1010	.1020		
14	LAB31	1	.1660	.1560	.12750	.1514E-02
		2	.0950	.0930		
15	LAB33	1	.1050	.1100	.10625	.6250E-05
		2	.1050	.1050		
16	LAB35	1	.1080	.1090	.10825	.2500E-06
		2	.1080	.1080		
17	LAB41	1	.1100	.1100	.10975	.1583E-05
		2	.1110	.1080		
18	LAB13	1	.1090	.1110	.11000	.1333E-05
		2	.1110	.1090		
19	LAB16	1	.1060	.1020	.10200	.1400E-04
		2	.0970	.1030		
20	LAB18	1	.1070	.1070	.10725	.4250E-05
		2	.1050	.1100		
21	LAB21	1	.1060	.1040	.10400	.2000E-05
		2	.1030	.1030		
22	LAB22	1	.1050	.1050	.10475	.1583E-05
		2	.1060	.1030		
23	LAB25	1	.1140	.1180	.11475	.8917E-05
		2	.1160	.1110		
24	LAB26	1	.1090	.1050	.10650	.3667E-05
		2	.1070	.1050		
25	LAB33	1	.1070	.1060	.10675	.2500E-06
		2	.1070	.1070		
26	LAB40	1	.1110	.1070	.10875	.2917E-05
		2	.1090	.1080		

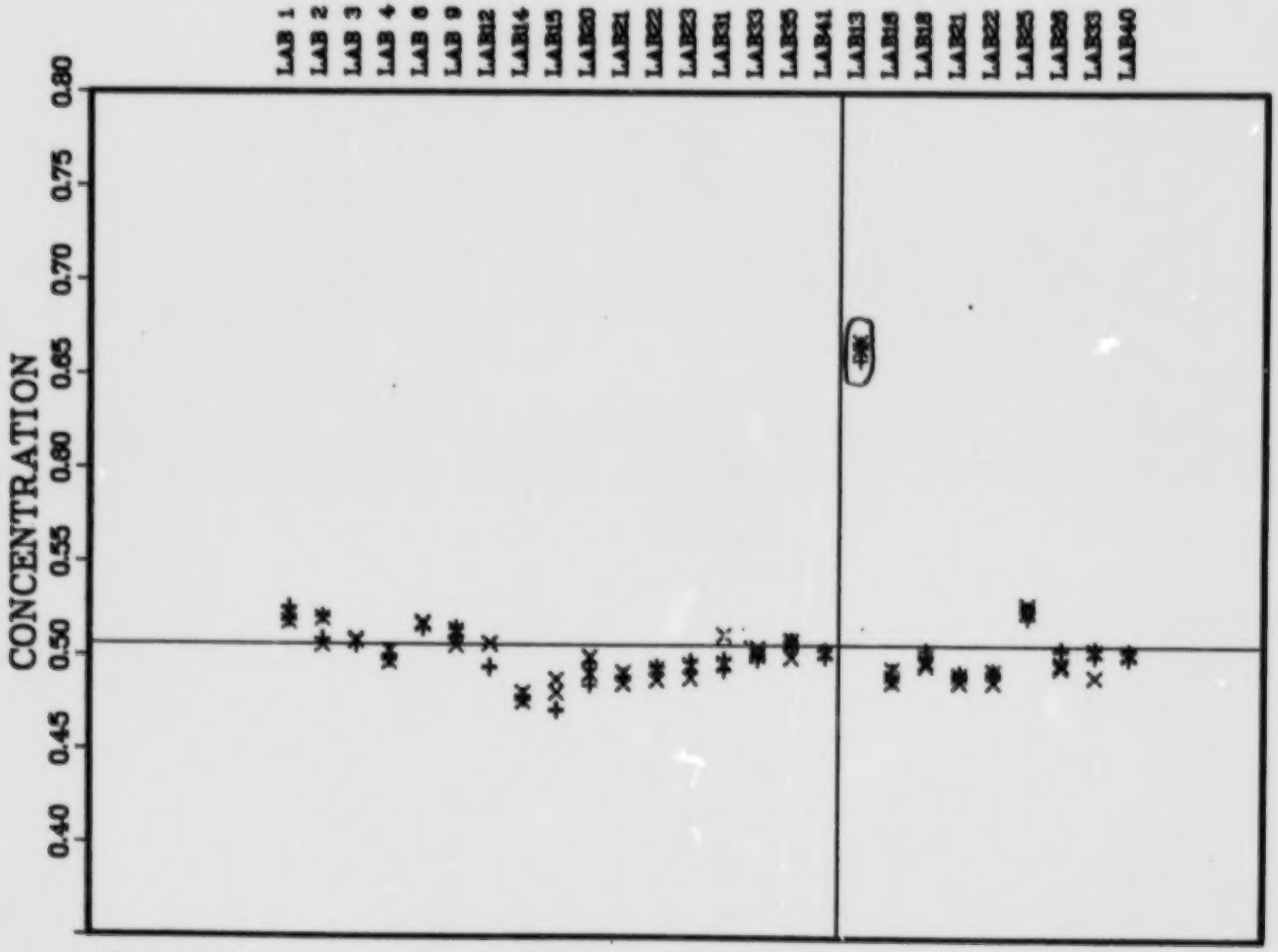


Figure 2. Ca 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA

SAMPLE: 83-9 LOSS ON FUSION CORRECTED

Table 2. Ca S.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.5220	.5180	.52125	.1292E-04
		2	.5260	.5190		
2	LAB 2	1	.5060	.5200	.51400	.5800E-04
		2	.5090	.5210		
3	LAB 3	1	.5080	.5090	.50725	.2250E-05
		2	.5060	.5060		
4	LAB 4	1	.5030	.4970	.49975	.7583E-05
		2	.4980	.5010		
5	LAB 6	1	.5180	.5170	.51625	.2250E-05
		2	.5150	.5150		
6	LAB 9	1	.5060	.5140	.51150	.1633E-04
		2	.5150	.5110		
7	LAB12	1	.5070	.5070	.50075	.5225E-04
		2	.4950	.4940		
8	LAB14	1	.4760	.4810	.47825	.4917E-05
		2	.4770	.4790		
9	LAB15	1	.4880	.4810	.47800	.6467E-04
		2	.4710	.4720		
10	LAB20	1	.5000	.4910	.49325	.4425E-04
		2	.4970	.4850		
11	LAB21	1	.4920	.4860	.48900	.6667E-05
		2	.4880	.4900		
12	LAB22	1	.4940	.4880	.49300	.1133E-04
		2	.4950	.4950		
13	LAB23	1	.4960	.4890	.49375	.1625E-04
		2	.4980	.4920		
14	LAB31	1	.4970	.5120	.50025	.6758E-04
		2	.4930	.4990		
15	LAB33	1	.5050	.5010	.50125	.6917E-05
		2	.5000	.4990		
16	LAB35	1	.5000	.5090	.50575	.1825E-04
		2	.5050	.5090		
17	LAB41	1	.5030	.5030	.50250	.3000E-05
		2	.5040	.5000		
18	LAB13	1	.6640	.6680	.66425	.2025E-04
		2	.6580	.6670		
19	LAB16	1	.4940	.4870	.49050	.1233E-04
		2	.4930	.4880		
20	LAB18	1	.4960	.4980	.49975	.1225E-04
		2	.5010	.5040		
21	LAB21	1	.4910	.4870	.49000	.4667E-05
		2	.4920	.4900		
22	LAB22	1	.4930	.4870	.49100	.8000E-05
		2	.4910	.4930		
23	LAB25	1	.5250	.5280	.52500	.8667E-05
		2	.5210	.5260		
24	LAB26	1	.4950	.4970	.50025	.2492E-04
		2	.5050	.5040		
25	LAB33	1	.5040	.4900	.50000	.4733E-04
		2	.5010	.5050		
26	LAB40	1	.5030	.5020	.50225	.2917E-05
		2	.5000	.5040		

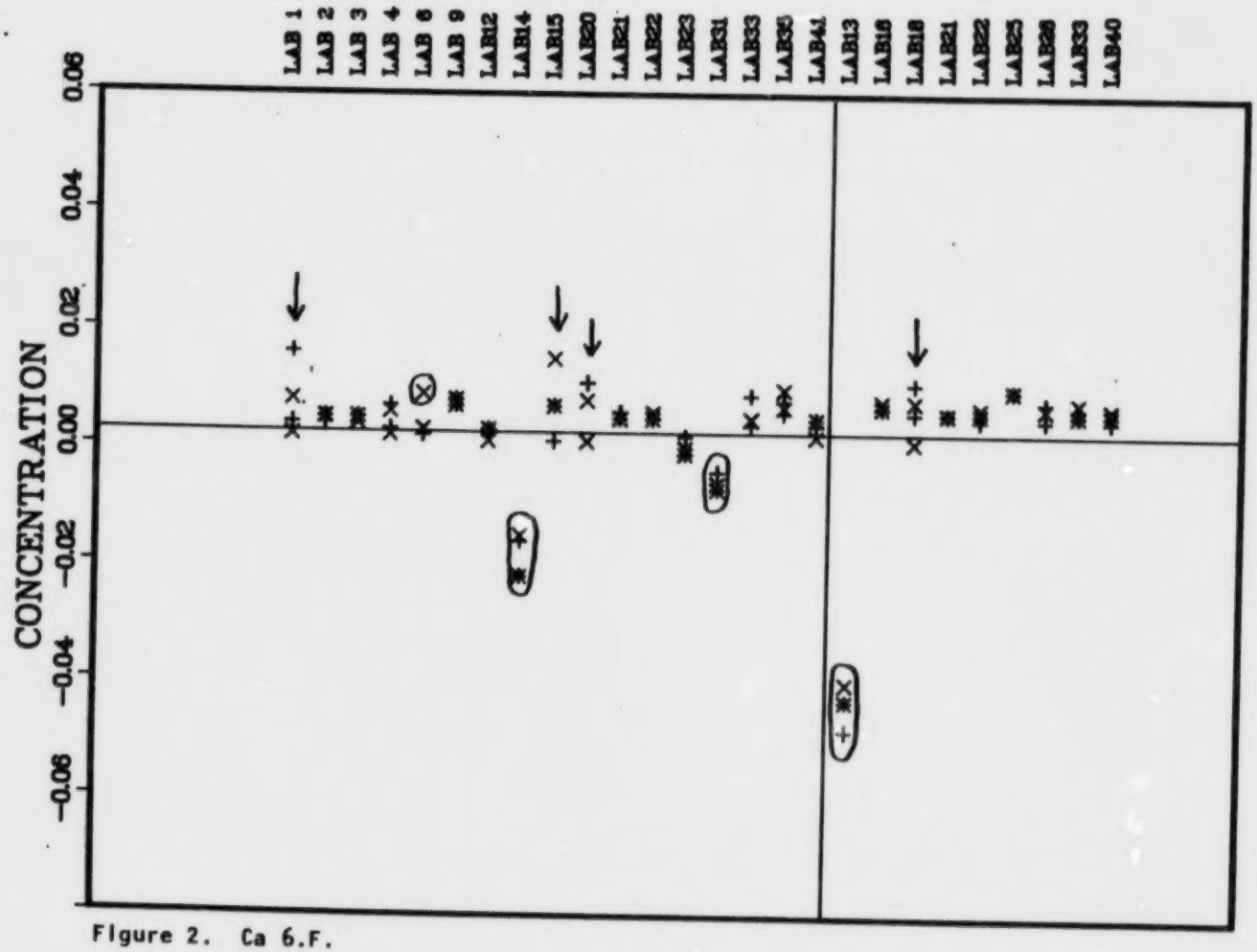


Figure 2. Ca 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE 83-16 LOSS ON FUSION CORRECTED

Table 2. Ca 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0080	.0020	.00750	.3833E-04
		2	.0160	.0040		
2	LAB 2	1	.0050	.0050	.00475	.2500E-06
		2	.0050	.0040		
3	LAB 3	1	.0050	.0040	.00475	.2500E-06
		2	.0050	.0050		
4	LAB 4	1	.0060	.0020	.00450	.5667E-05
		2	.0070	.0030		
5	LAB 6	1	.0090	.0030	.00400	.1133E-04
		2	.0020	.0020		
6	LAB 9	1	.0070	.0080	.00750	.3333E-06
		2	.0080	.0070		
7	LAB12	1	.0030	.0010	.00250	.1000E-05
		2	.0030	.0030		
8	LAB14	1	-.0220	-.0150	-.01875	.1425E-04
		2	-.0220	-.0160		
9	LAB15	1	.0070	.0150	.00750	.3300E-04
		2	.0070	.0010		
10	LAB20	1	.0080	.0010	.00775	.2225E-04
		2	.0110	.0110		
11	LAB21	1	.0050	.0050	.00525	.2500E-06
		2	.0060	.0050		
12	LAB22	1	.0060	.0050	.00525	.2500E-06
		2	.0050	.0050		
13	LAB23	1	0.0000	-.0010	0.00000	.2000E-05
		2	.0020	-.0010		
14	LAB31	1	-.0060	-.0070	-.00600	.2000E-05
		2	-.0070	-.0040		
15	LAB33	1	.0050	.0050	.00575	.4917E-05
		2	.0090	.0040		
16	LAB35	1	.0100	.0070	.00775	.2917E-05
		2	.0060	.0080		
17	LAB41	1	.0020	.0050	.00400	.2000E-05
		2	.0040	.0050		
18	LAB13	1	-.0430	-.0400	-.04350	.1100E-04
		2	-.0480	-.0430		
19	LAB16	1	.0080	.0070	.00725	.2500E-06
		2	.0070	.0070		
20	LAB13	1	.0010	.0080	.00650	.1767E-04
		2	.0060	.0110		
21	LAB21	1	.0060	.0060	.00600	0.
		2	.0060	.0060		
22	LAB22	1	.0060	.0070	.00600	.6667E-06
		2	.0060	.0050		
23	LAB25	1	.0100	.0100	.01000	0.
		2	.0100	.0100		
24	LAB26	1	.0070	.0070	.00675	.1583E-05
		2	.0080	.0050		
25	LAB33	1	.0080	.0060	.00650	.1000E-05
		2	.0060	.0060		
26	LAB40	1	.0070	.0060	.00600	.6667E-06
		2	.0060	.0050		

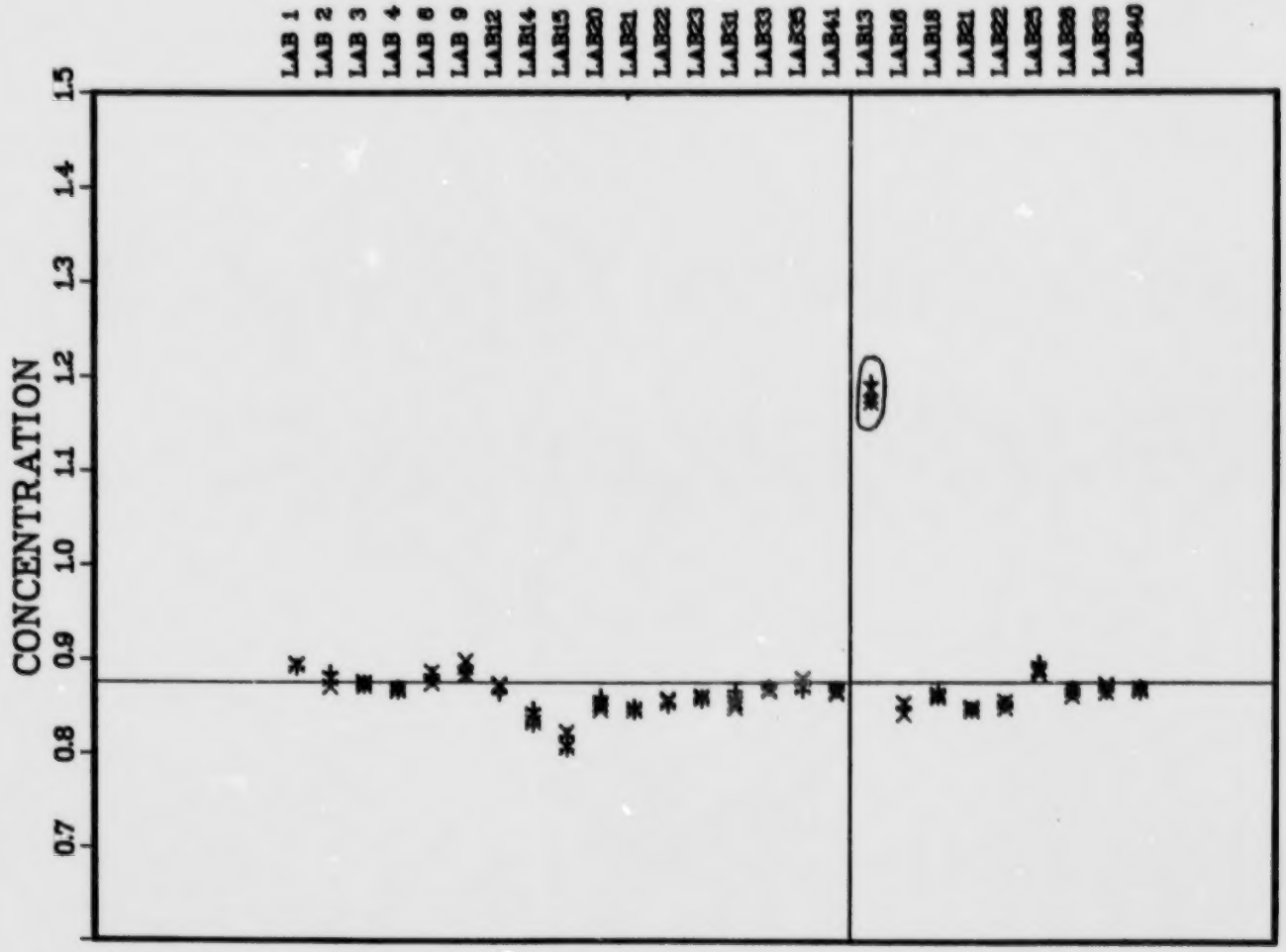


Figure 2. Ca 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 CA

SAMPLE: 83-17 LOSS ON FUSION CORRECTED

Table 2. Ca 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 CA
SAMPLE: 93-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.8940	.8950	.89325	.2250E-05
		2	.8920	.8920		
2	LAB 2	1	.8800	.8710	.88075	.5025E-04
		2	.8860	.8860		
3	LAB 3	1	.8760	.8720	.87375	.4250E-05
		2	.8750	.8720		
4	LAB 4	1	.8670	.8690	.86800	.3333E-05
		2	.8700	.8660		
5	LAB 6	1	.8750	.8870	.88125	.2825E-04
		2	.8790	.8840		
6	LAB 9	1	.8990	.8840	.89050	.4700E-04
		2	.8860	.8930		
7	LAB12	1	.8730	.8740	.86925	.2492E-04
		2	.8640	.8660		
8	LAB14	1	.8340	.8420	.83850	.5367E-04
		2	.8310	.8470		
9	LAB15	1	.8070	.8230	.81350	.7833E-04
		2	.8050	.8190		
10	LAB20	1	.8530	.8470	.85325	.3358E-04
		2	.8610	.8520		
11	LAB21	1	.8470	.8470	.84725	.4250E-05
		2	.8500	.8450		
12	LAB22	1	.8550	.8580	.85425	.8917E-05
		2	.8510	.8530		
13	LAB23	1	.8610	.8590	.85925	.2917E-05
		2	.8600	.8570		
14	LAB31	1	.8490	.8550	.85800	.6000E-04
		2	.8610	.8670		
15	LAB33	1	.8690	.8670	.86925	.2917E-05
		2	.8700	.8710		
16	LAB35	1	.8710	.8800	.87325	.3092E-04
		2	.8670	.8750		
17	LAB41	1	.8640	.8670	.86675	.4250E-05
		2	.8690	.8670		
18	LAB13	1	1.1870	1.1730	1.18175	.1102E-03
		2	1.1730	1.1940		
19	LAB16	1	.8540	.8420	.84850	.2500E-04
		2	.8500	.8480		
20	LAB18	1	.8630	.8600	.86200	.6000E-05
		2	.8600	.8650		
21	LAB21	1	.8460	.8490	.84725	.1583E-05
		2	.8470	.8470		
22	LAB22	1	.8560	.8490	.85275	.8917E-05
		2	.8520	.8540		
23	LAB25	1	.8860	.8910	.89175	.2092E-04
		2	.8930	.8970		
24	LAB26	1	.8620	.8690	.86650	.1367E-04
		2	.8650	.8700		
25	LAB33	1	.8740	.8660	.86925	.1292E-04
		2	.8700	.8670		
26	LAB40	1	.8700	.8680	.86875	.4917E-05
		2	.8660	.8710		

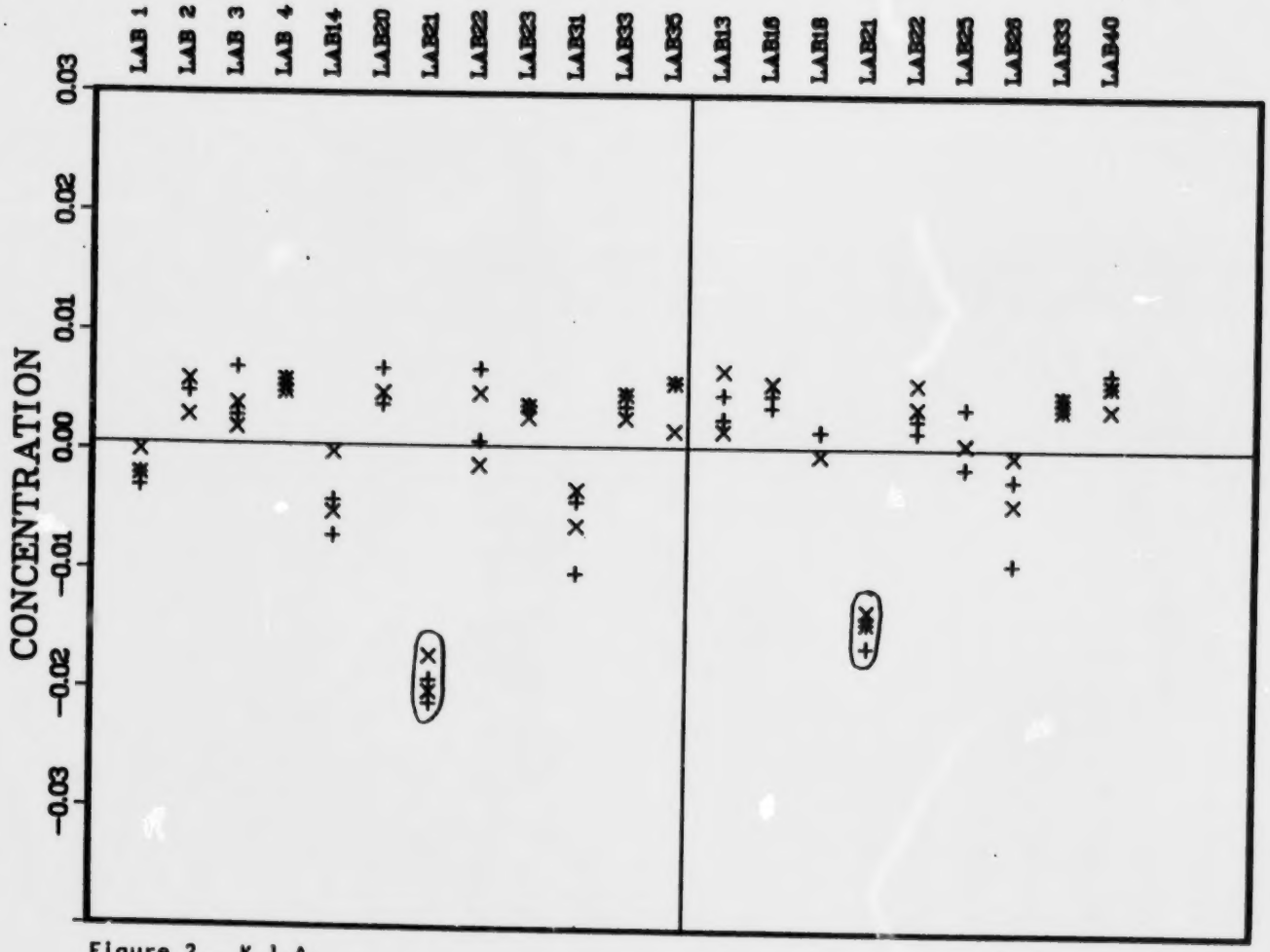


Figure 2. K I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 K

SAMPLE 77-8 LOSS CORRECTED ALPHA

Table 2. K 1.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	0.0000	-.0020	-.00175	.1583E-05
		2	-.0020	-.0030		
2	LAB 2	1	.0030	.0060	.00475	.1583E-05
		2	.0050	.0050		
3	LAB 3	1	.0020	.0040	.00400	.4667E-05
		2	.0030	.0070		
4	LAB 4	1	.0060	.0050	.00550	.3333E-06
		2	.0050	.0060		
5	LAB14	1	-.0050	0.0000	-.00400	.8667E-05
		2	-.0070	-.0040		
6	LAB20	1	.0050	.0050	.00525	.1583E-05
		2	.0040	.0070		
7	LAB21	1	-.0170	-.0200	-.01925	.2917E-05
		2	-.0190	-.0210		
8	LAB22	1	-.0010	.0050	.00300	.1333E-04
		2	.0010	.0070		
9	LAB23	1	.0030	.0040	.00375	.2500E-06
		2	.0040	.0040		
10	LAB31	1	-.0060	-.0030	-.00575	.9583E-05
		2	-.0040	-.0100		
11	LAB33	1	.0050	.0030	.00425	.9167E-06
		2	.0050	.0040		
12	LAB35	1	.0060	.0020	.00500	.4000E-05
		2	.0060	.0060		
13	LAB13	1	.0020	.0070	.00425	.4917E-05
		2	.0030	.0050		
14	LAB16	1	.0060	.0060	.00525	.9167E-06
		2	.0040	.0050		
15	LAB18	1	0.0000	0.0000	.00100	.1333E-05
		2	.0020	.0020		
16	LAB21	1	-.0130	-.0140	-.01425	.1583E-05
		2	-.0160	-.0140		
17	LAB22	1	.0040	.0060	.00375	.2917E-05
		2	.0020	.0030		
18	LAB25	1	.0010	.0010	.00125	.4250E-05
		2	-.0010	.0040		
19	LAB26	1	-.0040	0.0000	-.00375	.1492E-04
		2	-.0090	-.0020		
20	LAB33	1	.0040	.0050	.00450	.3333E-06
		2	.0040	.0050		
21	LAB40	1	.0060	.0040	.00575	.1583E-05
		2	.0070	.0060		

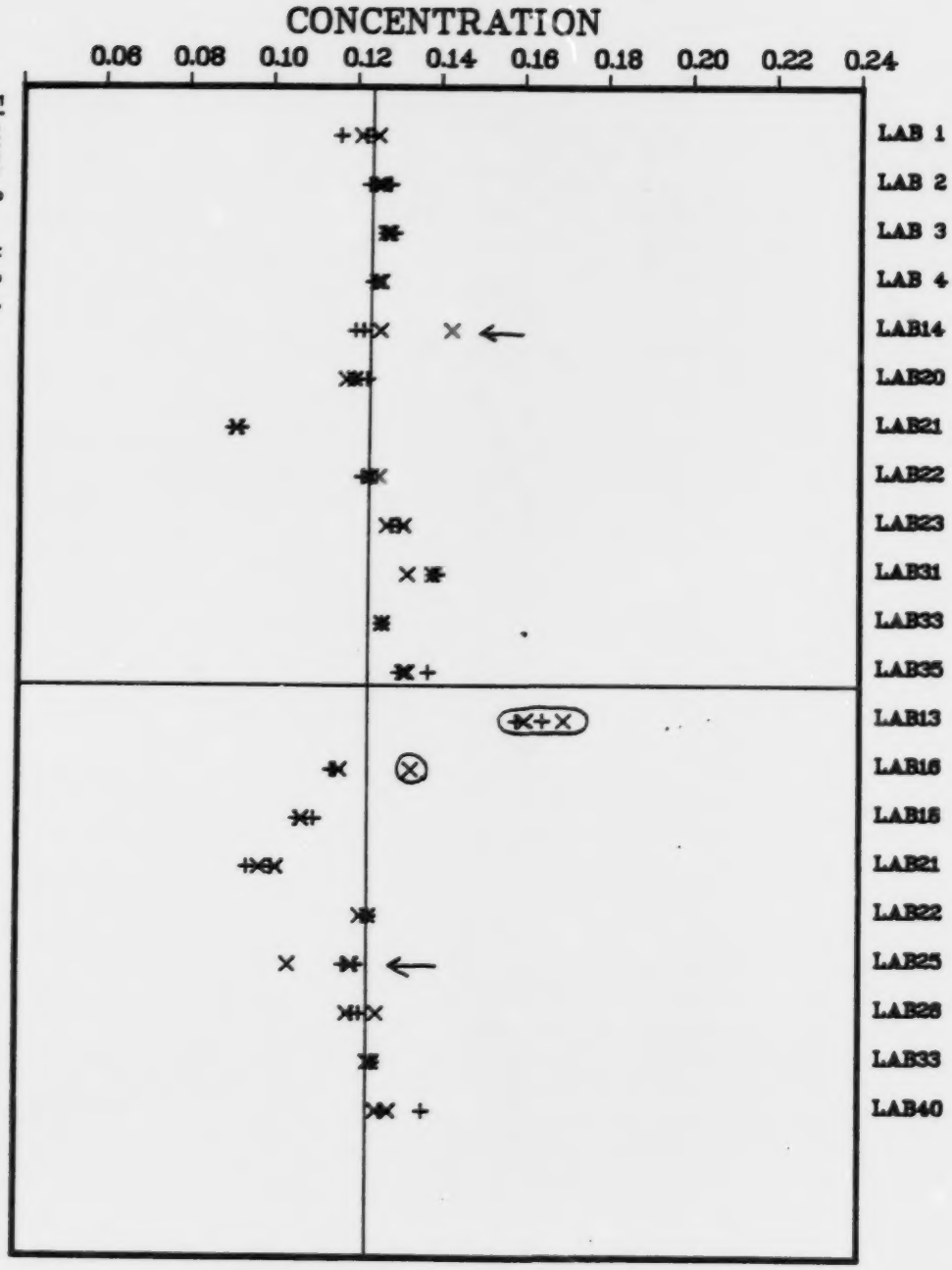


Figure 2. K 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 K

SAMPLE 79-4 LOSS CORRECTED ALPHA

Table 2. K 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1210	.1250	.12100	.1400E-04
		2	.1220	.1160		
2	LAB 2	1	.1250	.1260	.12550	.4333E-05
		2	.1230	.1280		
3	LAB 3	1	.1280	.1270	.12775	.9167E-06
		2	.1290	.1270		
4	LAB 4	1	.1250	.1260	.12500	.6667E-06
		2	.1250	.1240		
5	LAB14	1	.1260	.1430	.12775	.1096E-03
		2	.1200	.1220		
6	LAB20	1	.1180	.1200	.12025	.4250E-05
		2	.1200	.1230		
7	LAB21	1	.0920	.0920	.09200	.6667E-06
		2	.0930	.0910		
8	LAB22	1	.1240	.1260	.12350	.3667E-05
		2	.1220	.1220		
9	LAB23	1	.1280	.1320	.13000	.3333E-05
		2	.1290	.1310		
10	LAB31	1	.1390	.1330	.13775	.1025E-04
		2	.1390	.1400		
11	LAB33	1	.1270	.1270	.12700	0.
		2	.1270	.1270		
12	LAB35	1	.1320	.1330	.13350	.9667E-05
		2	.1380	.1310		
13	LAB13	1	.1700	.1610	.16375	.2358E-04
		2	.1650	.1590		
14	LAB16	1	.1170	.1340	.12050	.8167E-04
		2	.1160	.1150		
15	LAB18	1	.1080	.1080	.10850	.3000E-05
		2	.1110	.1070		
16	LAB21	1	.0980	.1020	.09900	.1000E-04
		2	.0950	.1010		
17	LAB22	1	.1220	.1240	.12325	.9167E-06
		2	.1230	.1240		
18	LAB25	1	.1050	.1200	.11600	.5533E-04
		2	.1210	.1180		
19	LAB26	1	.1260	.1190	.12175	.9583E-05
		2	.1220	.1200		
20	LAB33	1	.1240	.1250	.12475	.2500E-06
		2	.1250	.1250		
21	LAB40	1	.1290	.1260	.12975	.2492E-04
		2	.1270	.1370		

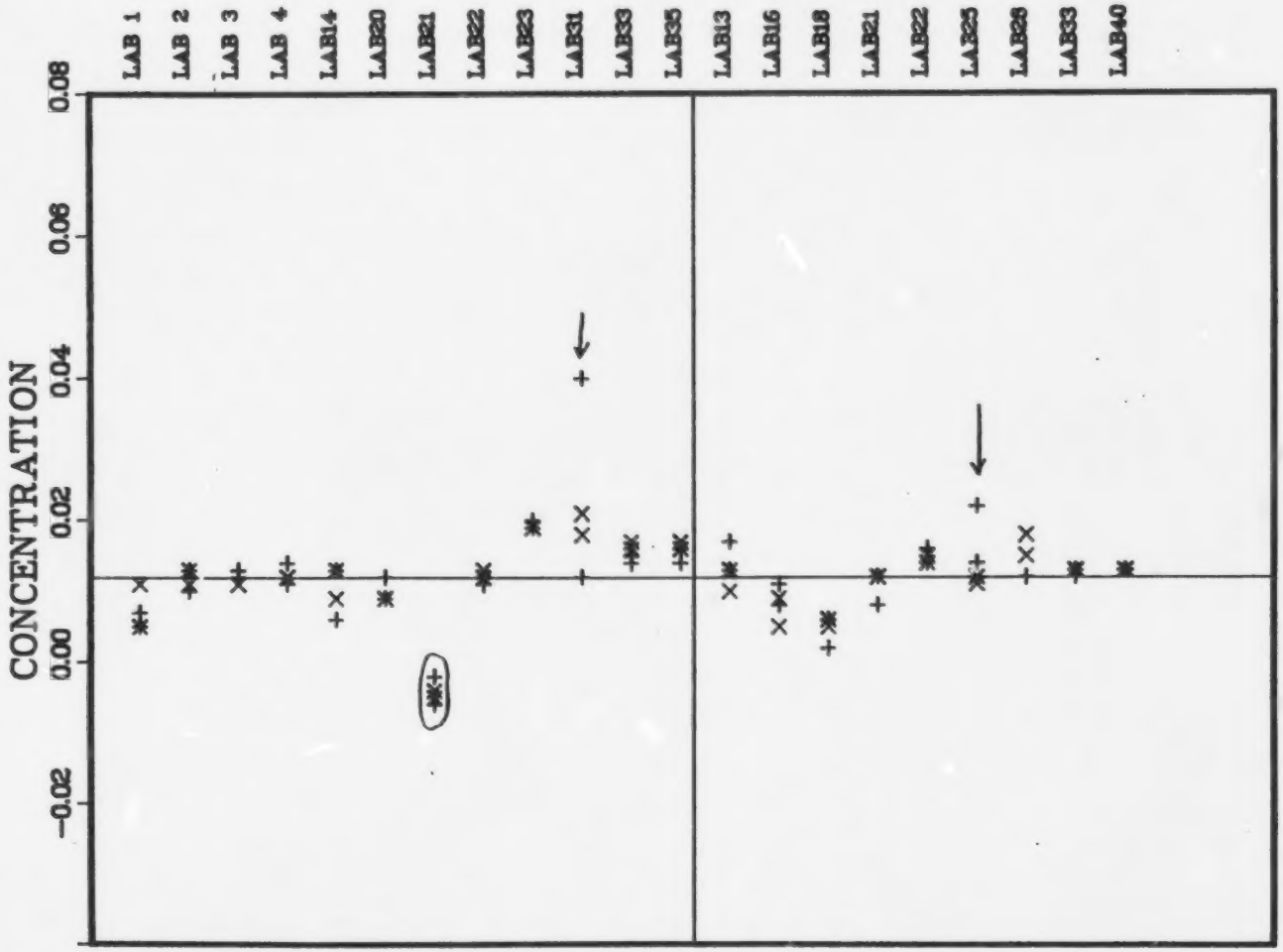


Figure 2. K 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 K

SAMPLE: 79-13 LOSS CORRECTED ALPHA

Table 2. K 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0110	.0050	.00700	.8000E-05
		2	.0070	.0050		
2	LAB 2	1	.0110	.0130	.01175	.2250E-05
		2	.0100	.0130		
3	LAB 3	1	.0110	.0110	.01175	.9167E-06
		2	.0130	.0120		
4	LAB 4	1	.0120	.0120	.01225	.1583E-05
		2	.0110	.0140		
5	LAB14	1	.0090	.0130	.01025	.1158E-04
		2	.0060	.0130		
6	LAB20	1	.0090	.0090	.00975	.2250E-05
		2	.0090	.0120		
7	LAB21	1	-.0040	-.0050	-.00425	.2917E-05
		2	-.0020	-.0060		
8	LAB22	1	.0120	.0130	.01175	.9167E-06
		2	.0110	.0110		
9	LAB23	1	.0190	.0190	.01925	.2500E-06
		2	.0200	.0190		
10	LAB31	1	.0180	.0210	.02275	.1463E-03
		2	.0120	.0400		
11	LAB33	1	.0160	.0170	.01550	.1667E-05
		2	.0150	.0140		
12	LAB35	1	.0170	.0160	.01575	.1583E-05
		2	.0160	.0140		
13	LAB13	1	.0100	.0130	.01325	.8250E-05
		2	.0130	.0170		
14	LAB16	1	.0090	.0050	.00825	.6250E-05
		2	.0110	.0080		
15	LAB18	1	.0050	.0060	.00475	.3583E-05
		2	.0060	.0020		
16	LAB21	1	.0120	.0120	.01100	.4000E-05
		2	.0120	.0080		
17	LAB22	1	.0150	.0140	.01475	.9167E-06
		2	.0140	.0160		
18	LAB25	1	.0110	.0120	.01475	.2492E-04
		2	.0140	.0220		
19	LAB26	1	.0150	.0180	.01425	.8250E-05
		2	.0120	.0120		
20	LAB33	1	.0130	.0130	.01275	.2500E-06
		2	.0120	.0130		
21	LAB40	1	.0130	.0130	.01300	0.
		2	.0130	.0130		

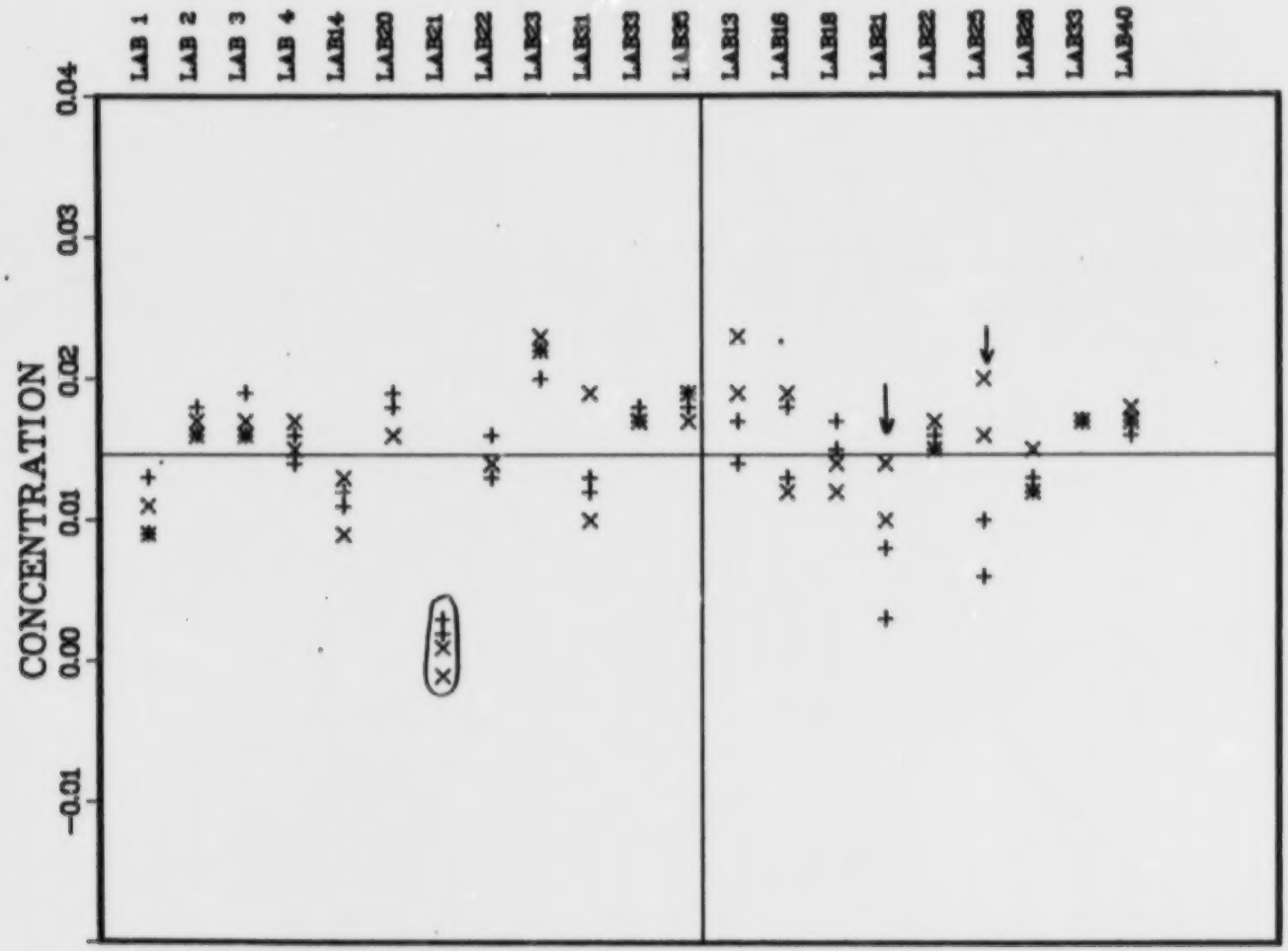


Figure 2. K 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 K

SAMPLE: 83-1 LOSS CORRECTED ALPHA

Table 2. K 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 83-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0110	.0090	.01050	.3667E-05
		2	.0130	.0090		
2	LAB 2	1	.0160	.0170	.01675	.9167E-06
		2	.0160	.0180		
3	LAB 3	1	.0170	.0160	.01700	.2000E-05
		2	.0190	.0160		
4	LAB 4	1	.0150	.0170	.01550	.1667E-05
		2	.0140	.0160		
5	LAB14	1	.0090	.0130	.01125	.2917E-05
		2	.0110	.0120		
6	LAB20	1	.0160	.0160	.01725	.2250E-05
		2	.0180	.0190		
7	LAB21	1	.0010	-.0010	.00125	.2917E-05
		2	.0020	.0030		
8	LAB22	1	.0140	.0140	.01425	.1583E-05
		2	.0130	.0160		
9	LAB23	1	.0220	.0230	.02175	.1583E-05
		2	.0200	.0220		
10	LAB31	1	.0190	.0100	.01350	.1500E-04
		2	.0120	.0130		
11	LAB33	1	.0170	.0170	.01725	.2500E-06
		2	.0170	.0180		
12	LAB35	1	.0190	.0170	.01825	.9167E-06
		2	.0190	.0180		
13	LAB13	1	.0230	.0190	.01825	.1425E-04
		2	.0170	.0140		
14	LAB16	1	.0190	.0120	.01550	.1233E-04
		2	.0180	.0130		
15	LAB18	1	.0120	.0140	.01450	.4333E-05
		2	.0170	.0150		
16	LAB21	1	.0100	.0140	.00875	.2092E-04
		2	.0030	.0080		
17	LAB22	1	.0170	.0150	.01575	.9167E-06
		2	.0150	.0160		
18	LAB25	1	.0160	.0200	.01300	.3867E-04
		2	.0060	.0100		
19	LAB26	1	.0120	.0150	.01300	.2000E-05
		2	.0120	.0130		
20	LAB33	1	.0170	.0170	.01700	0.
		2	.0170	.0170		
21	LAB40	1	.0170	.0180	.01700	.6667E-06
		2	.0170	.0160		

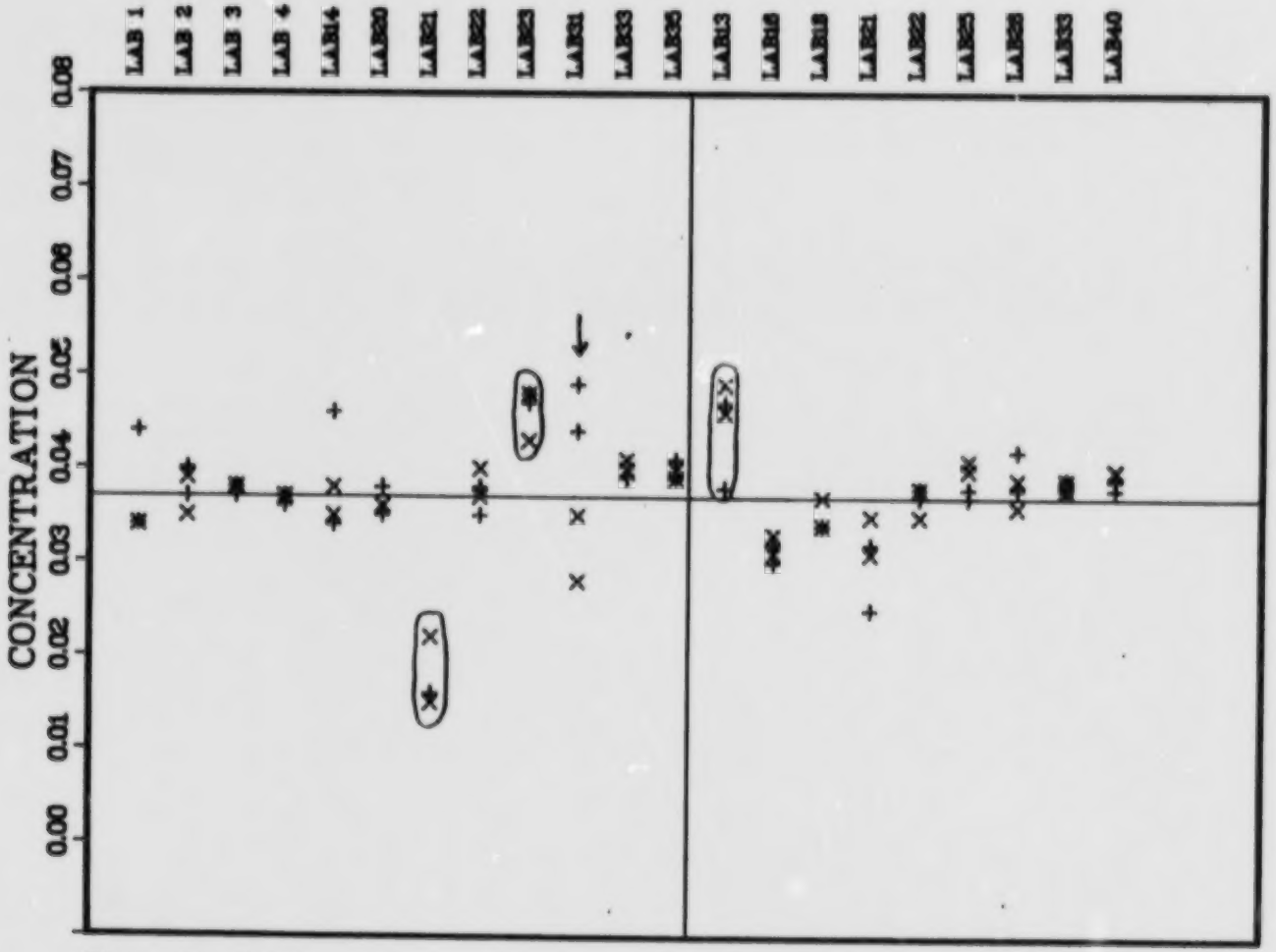


Figure 2. K 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 K

SAMPLE: 83-9 LOSS CORRECTED ALPHA

Table 2. K S.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0340	.0340	.03650	.2500E-04
		2	.0340	.0440		
2	LAB 2	1	.0350	.0390	.03775	.4917E-05
		2	.0370	.0400		
3	LAB 3	1	.0380	.0380	.03775	.2500E-06
		2	.0380	.0370		
4	LAB 4	1	.0370	.0370	.03675	.2500E-06
		2	.0360	.0370		
5	LAB14	1	.0350	.0380	.03825	.2958E-04
		2	.0340	.0460		
6	LAB20	1	.0360	.0360	.03625	.1583E-05
		2	.0350	.0380		
7	LAB21	1	.0220	.0150	.01725	.1025E-04
		2	.0160	.0160		
8	LAB22	1	.0370	.0400	.03750	.4333E-05
		2	.0350	.0380		
9	LAB23	1	.0430	.0480	.04650	.5667E-05
		2	.0470	.0480		
10	LAB31	1	.0350	.0280	.03900	.8733E-04
		2	.0490	.0440		
11	LAB33	1	.0400	.0410	.03975	.9167E-06
		2	.0390	.0390		
12	LAB35	1	.0400	.0390	.03975	.9167E-06
		2	.0410	.0390		
13	LAB13	1	.0460	.0490	.04500	.2333E-04
		2	.0380	.0470		
14	LAB16	1	.0330	.0310	.03150	.1667E-05
		2	.0320	.0300		
15	LAB18	1	.0370	.0340	.03475	.2250E-05
		2	.0340	.0340		
16	LAB21	1	.0310	.0350	.03075	.1758E-04
		2	.0250	.0320		
17	LAB22	1	.0380	.0350	.03700	.2000E-05
		2	.0380	.0370		
18	LAB25	1	.0410	.0400	.03900	.3333E-05
		2	.0380	.0370		
19	LAB26	1	.0390	.0360	.03875	.6250E-05
		2	.0380	.0420		
20	LAB33	1	.0390	.0380	.03850	.3333E-06
		2	.0390	.0380		
21	LAB40	1	.0400	.0400	.03925	.9167E-06
		2	.0380	.0390		

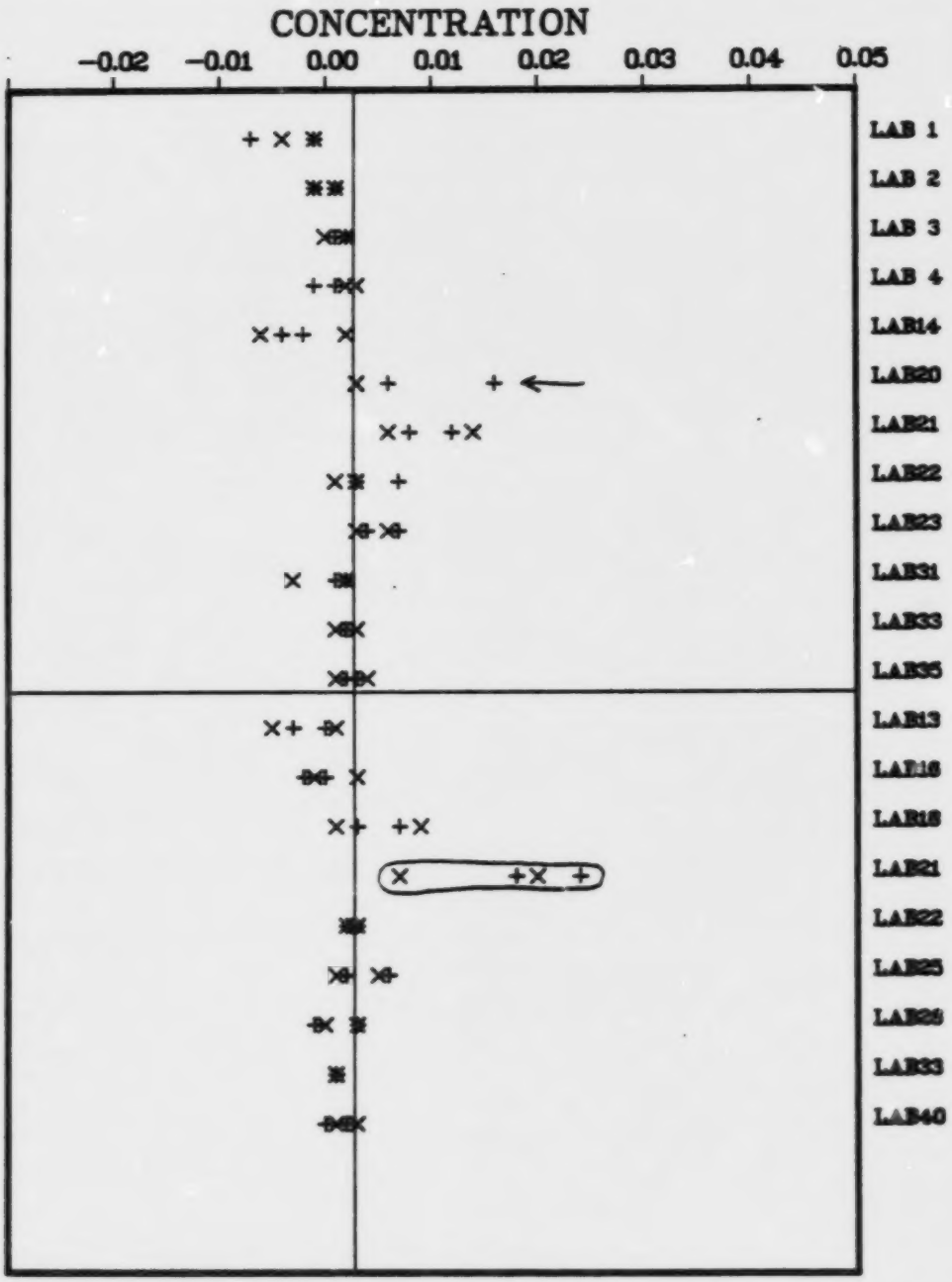


Figure 2. K 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 K

SAMPLE: 83-16 LOSS CORRECTED ALPHA

Table 2. K 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	-.0010	-.0040	-.00325	.8250E-05
		2	-.0010	-.0070		
2	LAB 2	1	-.0010	.0010	0.00000	.1333E-05
		2	-.0010	.0010		
3	LAB 3	1	0.0000	.0020	.00125	.9167E-06
		2	.0010	.0020		
4	LAB 4	1	.0020	.0030	.00125	.2917E-05
		2	-.0010	.0010		
5	LAB14	1	-.0060	.0020	-.00250	.1167E-04
		2	-.0040	-.0020		
6	LAB20	1	.0030	.0030	.00700	.3800E-04
		2	.0160	.0060		
7	LAB21	1	.0140	.0060	.01000	.1333E-04
		2	.0120	.0080		
8	LAB22	1	.0010	.0030	.00350	.6333E-05
		2	.0030	.0070		
9	LAB23	1	.0060	.0030	.00500	.3333E-05
		2	.0070	.0040		
10	LAB31	1	-.0030	.0020	.00050	.5667E-05
		2	.0010	.0020		
11	LAB33	1	.0010	.0030	.00200	.6667E-06
		2	.0020	.0020		
12	LAB35	1	.0040	.0010	.00250	.1667E-05
		2	.0030	.0020		
13	LAB13	1	-.0050	.0010	-.00175	.7583E-05
		2	-.0030	0.0000		
14	LAB16	1	.0030	-.0010	0.00000	.4667E-05
		2	0.0000	-.0020		
15	LAB18	1	.0090	.0010	.00500	.1333E-04
		2	.0070	.0030		
16	LAB21	1	.0070	.0200	.01725	.5292E-04
		2	.0180	.0240		
17	LAB22	1	.0030	.0020	.00250	.3333E-06
		2	.0030	.0020		
18	LAB25	1	.0050	.0010	.00350	.5667E-05
		2	.0020	.0060		
19	LAB26	1	.0030	0.0000	.00125	.4250E-05
		2	-.0010	.0030		
20	LAB33	1	.0010	.0010	.00100	0.
		2	.0010	.0010		
21	LAB40	1	.0030	.0010	.00150	.1667E-05
		2	.0020	0.0000		

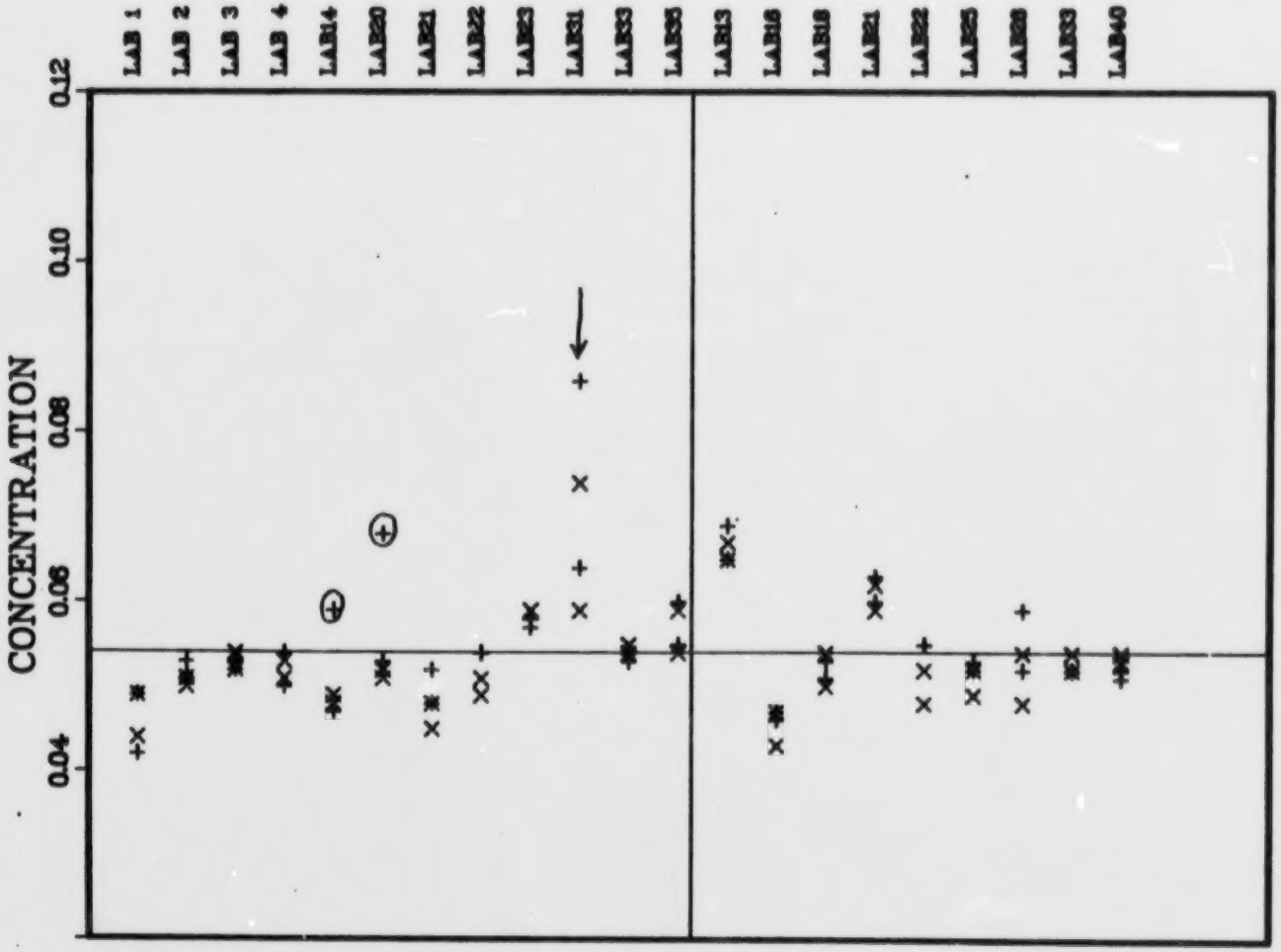


Figure 2. K 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 K

SAMPLE: 83–17 LOSS CORRECTED ALPHA

Table 2. K 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 83-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0490	.0440	.04600	.1267E-04
		2	.0490	.0420		
2	LAB 2	1	.0500	.0510	.05125	.1583E-05
		2	.0510	.0530		
3	LAB 3	1	.0520	.0540	.05275	.9167E-06
		2	.0520	.0530		
4	LAB 4	1	.0510	.0530	.05200	.3333E-05
		2	.0540	.0500		
5	LAB14	1	.0490	.0480	.05075	.3092E-04
		2	.0470	.0590		
6	LAB20	1	.0510	.0520	.05600	.6467E-04
		2	.0680	.0530		
7	LAB21	1	.0480	.0450	.04825	.8250E-05
		2	.0520	.0480		
8	LAB22	1	.0490	.0510	.05200	.6000E-05
		2	.0540	.0540		
9	LAB23	1	.0590	.0590	.05825	.9167E-06
		2	.0580	.0570		
10	LAB31	1	.0740	.0590	.07075	.1423E-04
		2	.0860	.0640		
11	LAB33	1	.0540	.0550	.05400	.6667E-06
		2	.0530	.0540		
12	LAB35	1	.0590	.0540	.05700	.8667E-05
		2	.0600	.0550		
13	LAB13	1	.0670	.0650	.06650	.3667E-05
		2	.0650	.0690		
14	LAB16	1	.0470	.0430	.04575	.3583E-05
		2	.0470	.0460		
15	LAB18	1	.0540	.0500	.05200	.3333E-05
		2	.0530	.0510		
16	LAB21	1	.0590	.0620	.06100	.3333E-05
		2	.0600	.0630		
17	LAB22	1	.0480	.0520	.05250	.1100E-04
		2	.0550	.0550		
18	LAB25	1	.0490	.0520	.05150	.3000E-05
		2	.0530	.0520		
19	LAB26	1	.0540	.0480	.05325	.2092E-04
		2	.0520	.0590		
20	LAB33	1	.0540	.0520	.05250	.1000E-05
		2	.0520	.0520		
21	LAB40	1	.0540	.0530	.05250	.1667E-05
		2	.0520	.0510		

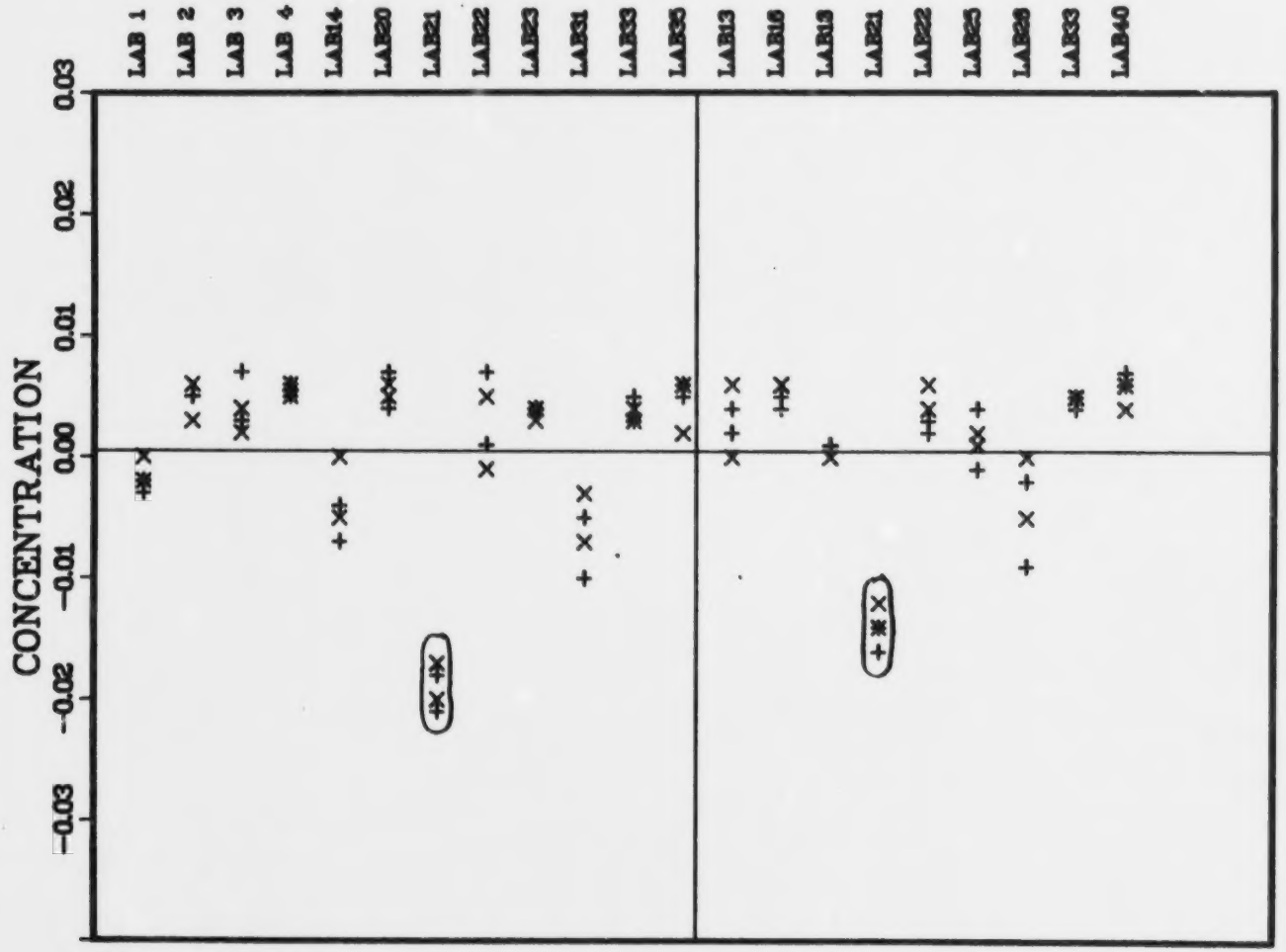


Figure 2. K 1.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K

SAMPLE: 77-8 LOSS ON FUSION CORRECTED

Table 2. K I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 77-8 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	0.0000	-.0020	-.00175	.1583E-05
		2	-.0020	-.0030		
2	LAB 2	1	.0030	.0060	.00475	.1583E-05
		2	.0050	.0050		
3	LAB 3	1	.0020	.0040	.00400	.4667E-05
		2	.0030	.0070		
4	LAB 4	1	.0060	.0050	.00550	.3333E-06
		2	.0050	.0060		
5	LAB14	1	-.0050	0.0000	-.00400	.8667E-05
		2	-.0070	-.0040		
6	LAB20	1	.0060	.0050	.00550	.1667E-05
		2	.0040	.0070		
7	LAB21	1	-.0170	-.0200	-.01900	.3333E-05
		2	-.0180	-.0210		
8	LAB22	1	-.0010	.0050	.00300	.1333E-04
		2	.0010	.0070		
9	LAB23	1	.0030	.0040	.00375	.2500E-06
		2	.0040	.0040		
10	LAB31	1	-.0070	-.0030	-.00625	.8917E-05
		2	-.0050	-.0100		
11	LAB33	1	.0040	.0030	.00375	.9167E-06
		2	.0050	.0030		
12	LAB35	1	.0060	.0020	.00475	.3583E-05
		2	.0060	.0050		
13	LAB13	1	0.0000	.0060	.00300	.6667E-05
		2	.0020	.0040		
14	LAB16	1	.0060	.0060	.00525	.9167E-06
		2	.0040	.0050		
15	LAB18	1	0.0000	0.0000	.00050	.3333E-06
		2	.0010	.0010		
16	LAB21	1	-.0120	-.0140	-.01400	.2667E-05
		2	-.0160	-.0140		
17	LAB22	1	.0040	.0060	.00375	.2917E-05
		2	.0020	.0030		
18	LAB25	1	.0010	.0020	.00150	.4333E-05
		2	-.0010	.0040		
19	LAB26	1	-.0050	0.0000	-.00400	.1533E-04
		2	-.0090	-.0020		
20	LAB33	1	.0050	.0050	.00475	.2500E-06
		2	.0040	.0050		
21	LAB40	1	.0060	.0040	.00575	.1583E-05
		2	.0070	.0060		

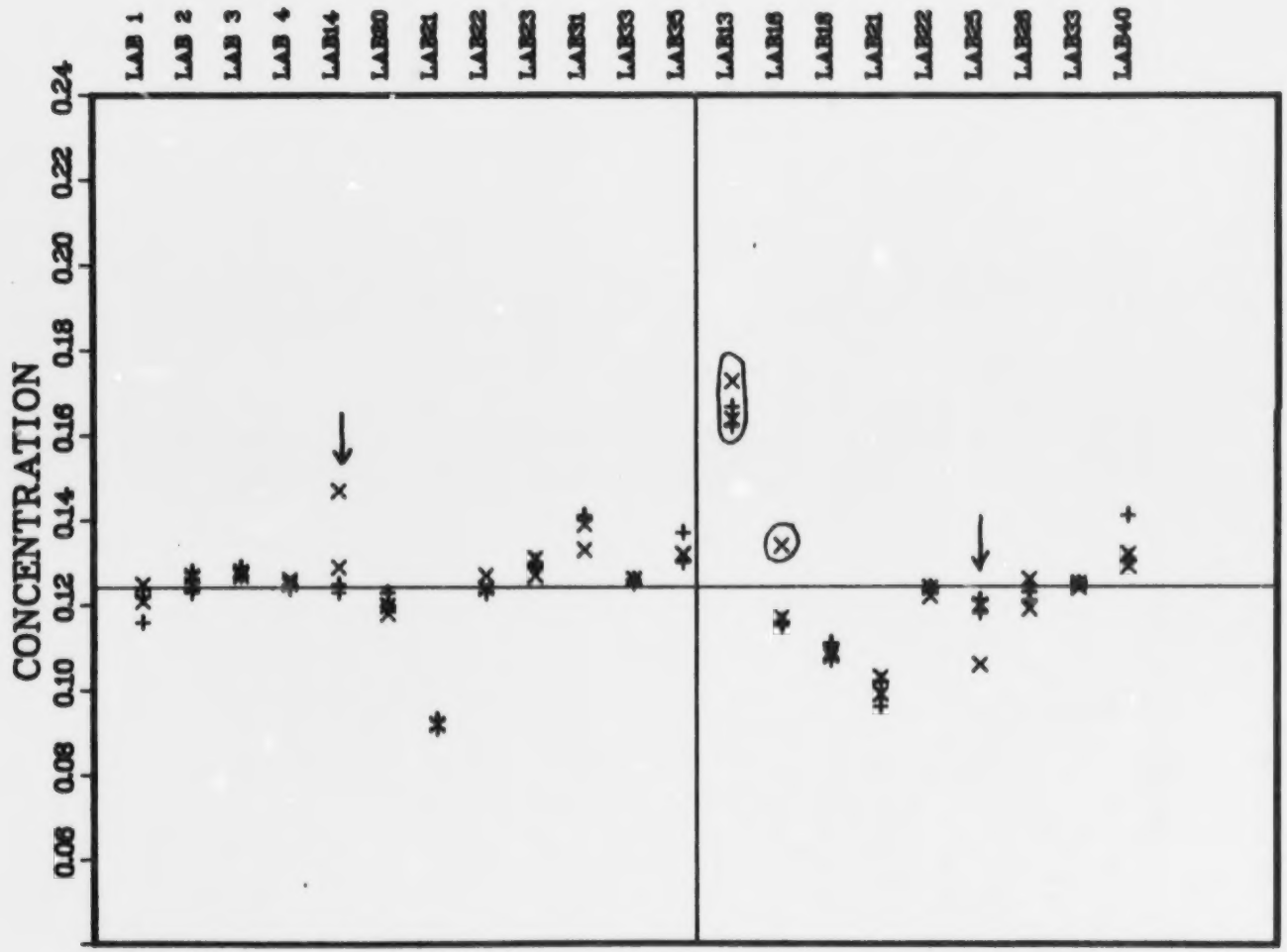


Figure 2. K 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 K

SAMPLE 79-4 LOSS ON FUSION CORRECTED

Table 2. K 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1210	.1250	.12100	.1400E-04
		2	.1220	.1160		
2	LAB 2	1	.1250	.1270	.12575	.4917E-05
		2	.1230	.1280		
3	LAB 3	1	.1280	.1270	.12775	.9167E-06
		2	.1290	.1270		
4	LAB 4	1	.1250	.1260	.12500	.6667E-06
		2	.1250	.1240		
5	LAB14	1	.1290	.1470	.13100	.1200E-03
		2	.1230	.1250		
6	LAB20	1	.1180	.1200	.12025	.4250E-05
		2	.1200	.1230		
7	LAB21	1	.0920	.0920	.09200	.6667E-06
		2	.0930	.0910		
8	LAB22	1	.1240	.1270	.12425	.3583E-05
		2	.1230	.1230		
9	LAB23	1	.1270	.1310	.12925	.2917E-05
		2	.1290	.1300		
10	LAB31	1	.1390	.1330	.13825	.1292E-04
		2	.1400	.1410		
11	LAB33	1	.1260	.1260	.12575	.2500E-06
		2	.1250	.1260		
12	LAB35	1	.1320	.1320	.13275	.8917E-05
		2	.1370	.1300		
13	LAB13	1	.1730	.1640	.16650	.2300E-04
		2	.1670	.1620		
14	LAB16	1	.1170	.1340	.12050	.8167E-04
		2	.1160	.1150		
15	LAB18	1	.1080	.1090	.10875	.2917E-05
		2	.1110	.1070		
16	LAB21	1	.0990	.1030	.10000	.1000E-04
		2	.0960	.1020		
17	LAB22	1	.1220	.1240	.12325	.9167E-06
		2	.1230	.1240		
18	LAB25	1	.1060	.1200	.11625	.4825E-04
		2	.1210	.1180		
19	LAB26	1	.1260	.1190	.12225	.8917E-05
		2	.1230	.1210		
20	LAB33	1	.1240	.1250	.12475	.2500E-06
		2	.1250	.1250		
21	LAB40	1	.1320	.1290	.13300	.3000E-04
		2	.1300	.1410		

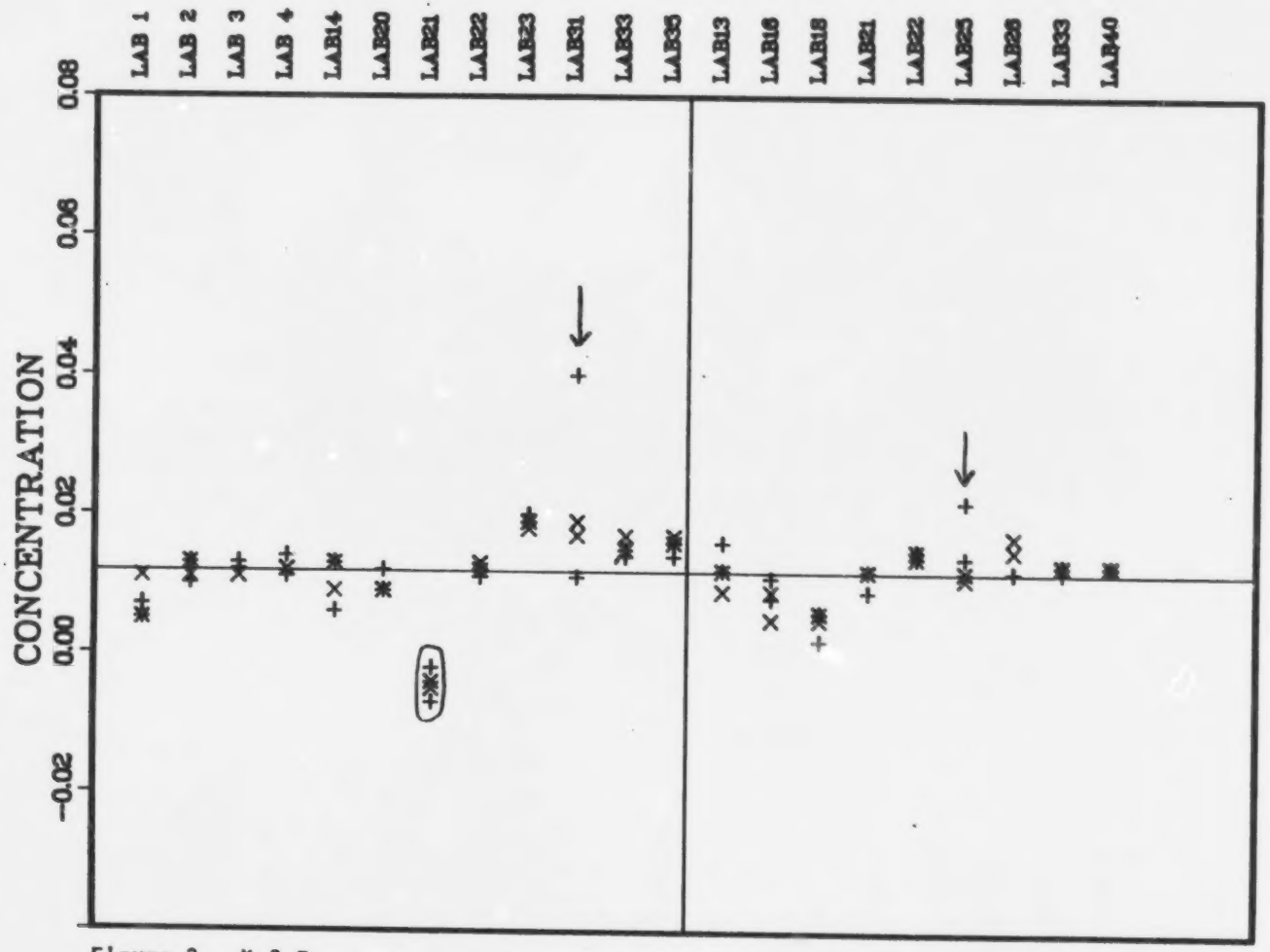


Figure 2. K 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 K

SAMPLE: 79-13 LOSS ON FUSION CORRECTED

Table 2. K 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0110	.0050	.00700	.8000E-05
		2	.0070	.0050		
2	LAB 2	1	.0110	.0130	.01175	.2250E-05
		2	.0100	.0130		
3	LAB 3	1	.0110	.0110	.01175	.9167E-06
		2	.0130	.0120		
4	LAB 4	1	.0120	.0120	.01225	.1583E-05
		2	.0110	.0140		
5	LAB14	1	.0090	.0130	.01025	.1158E-04
		2	.0060	.0130		
6	LAB20	1	.0090	.0090	.00975	.2250E-05
		2	.0090	.0120		
7	LAB21	1	-.0040	-.0050	-.00450	.4333E-05
		2	-.0020	-.0070		
8	LAB22	1	.0120	.0130	.01175	.9167E-06
		2	.0110	.0110		
9	LAB23	1	.0180	.0190	.01900	.6667E-06
		2	.0200	.0190		
10	LAB31	1	.0170	.0190	.02175	.1596E-03
		2	.0110	.0400		
11	LAB33	1	.0150	.0170	.01525	.1583E-05
		2	.0150	.0140		
12	LAB35	1	.0170	.0160	.01575	.1583E-05
		2	.0160	.0140		
13	LAB13	1	.0090	.0120	.01225	.8250E-05
		2	.0120	.0160		
14	LAB16	1	.0090	.0050	.00825	.6250E-05
		2	.0110	.0080		
15	LAB18	1	.0050	.0060	.00475	.3583E-05
		2	.0060	.0020		
16	LAB21	1	.0120	.0120	.01125	.2250E-05
		2	.0120	.0090		
17	LAB22	1	.0150	.0140	.01450	.3333E-06
		2	.0140	.0150		
18	LAB25	1	.0110	.0120	.01475	.2492E-04
		2	.0140	.0220		
19	LAB26	1	.0150	.0170	.01400	.6000E-05
		2	.0120	.0120		
20	LAB33	1	.0130	.0130	.01275	.2500E-06
		2	.0120	.0130		
21	LAB40	1	.0130	.0130	.01300	0.
		2	.0130	.0130		

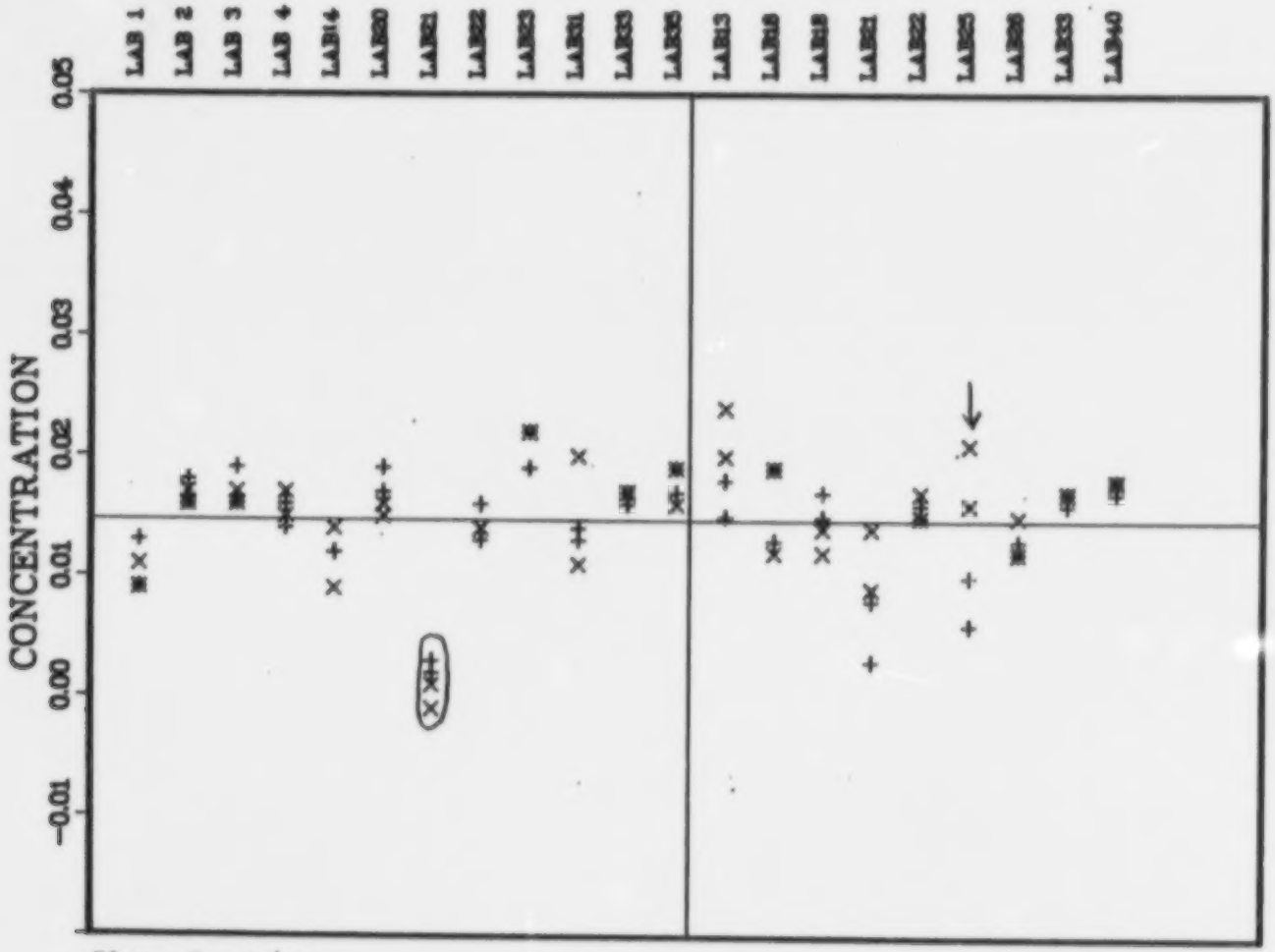


Figure 2. K 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K

SAMPLE: 83-1 LOSS ON FUSION CORRECTED

Table 2. K 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0110	.0090	.01050	.3667E-05
		2	.0130	.0090		
2	LAB 2	1	.0160	.0170	.01675	.9167E-06
		2	.0160	.0180		
3	LAB 3	1	.0170	.0160	.01700	.2000E-05
		2	.0190	.0160		
4	LAB 4	1	.0150	.0170	.01550	.1667E-05
		2	.0140	.0160		
5	LAB14	1	.0090	.0140	.01175	.4250E-05
		2	.0120	.0120		
6	LAB20	1	.0150	.0160	.01675	.2917E-05
		2	.0170	.0190		
7	LAB21	1	.0010	-.0010	.00125	.2917E-05
		2	.0020	.0030		
8	LAB22	1	.0140	.0140	.01425	.1583E-05
		2	.0130	.0160		
9	LAB23	1	.0220	.0220	.02125	.2250E-05
		2	.0190	.0220		
10	LAB31	1	.0200	.0110	.01450	.1500E-04
		2	.0130	.0140		
11	LAB33	1	.0170	.0170	.01675	.2500E-06
		2	.0160	.0170		
12	LAB35	1	.0190	.0160	.01775	.2250E-05
		2	.0190	.0170		
13	LAB13	1	.0240	.0200	.01925	.1425E-04
		2	.0180	.0150		
14	LAB16	1	.0190	.0120	.01575	.1425E-04
		2	.0190	.0130		
15	LAB18	1	.0120	.0140	.01450	.4333E-05
		2	.0170	.0150		
16	LAB21	1	.0090	.0140	.00050	.2033E-04
		2	.0030	.0080		
17	LAB22	1	.0170	.0150	.01575	.9167E-06
		2	.0150	.0160		
18	LAB25	1	.0160	.0210	.01325	.4358E-04
		2	.0060	.0100		
19	LAB26	1	.0120	.0150	.01300	.2000E-05
		2	.0120	.0130		
20	LAB33	1	.0170	.0170	.01675	.2500E-06
		2	.0170	.0160		
21	LAB40	1	.0180	.0180	.01775	.2500E-06
		2	.0180	.0170		

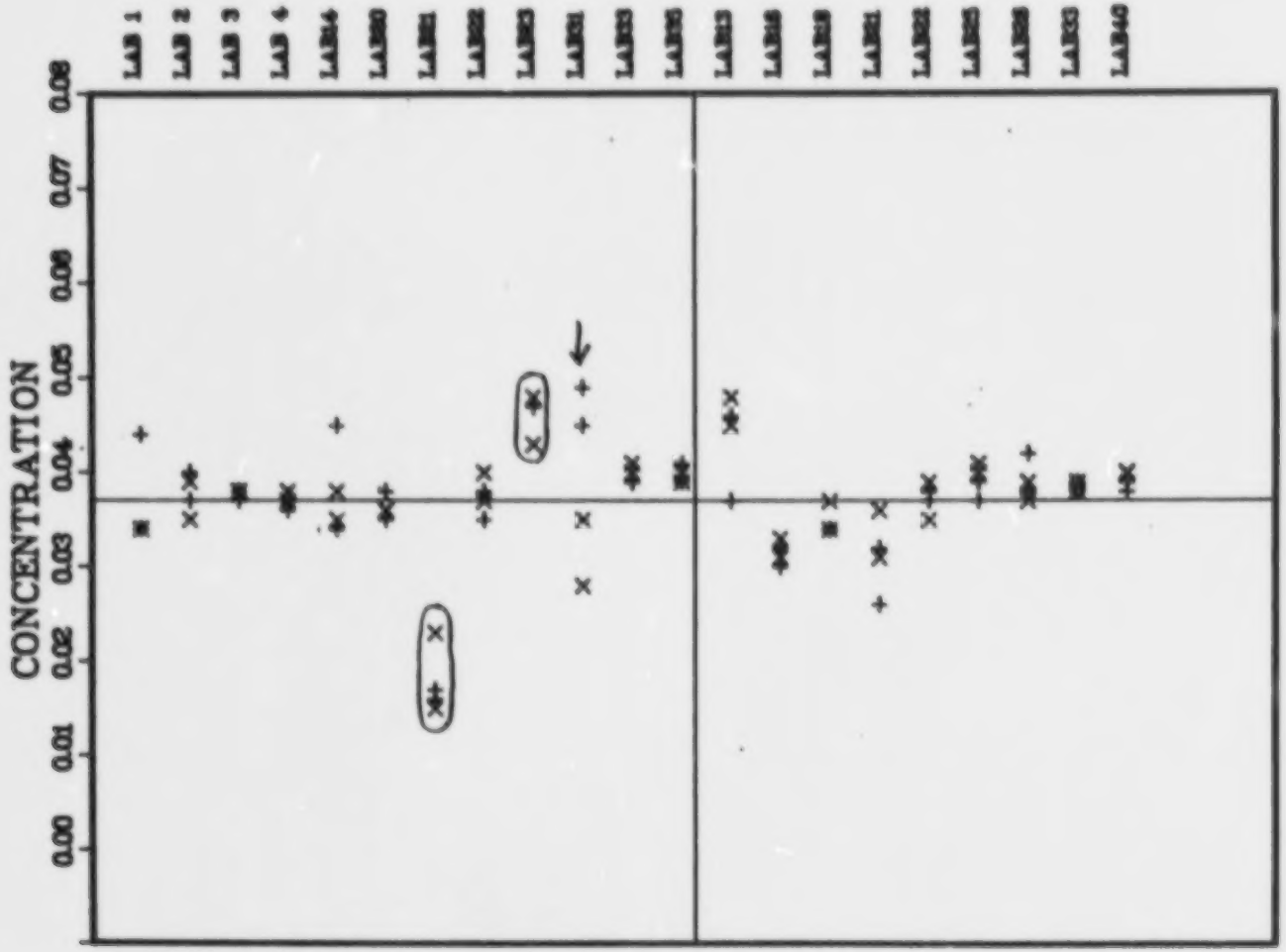


Figure 2. K S.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K

SAMPLE: 83-9 LOSS ON FUSION CORRECTED

Table 2. K S.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0340	.0340	.03650	.2500E-04
		2	.0340	.0440		
2	LAB 2	1	.0350	.0390	.03775	.4917E-05
		2	.0370	.0400		
3	LAB 3	1	.0380	.0380	.03775	.2500E-06
		2	.0380	.0370		
4	LAB 4	1	.0380	.0370	.03700	.6667E-06
		2	.0360	.0370		
5	LAB14	1	.0350	.0380	.03800	.2467E-04
		2	.0340	.0450		
6	LAB20	1	.0360	.0360	.03625	.1583E-05
		2	.0350	.0380		
7	LAB21	1	.0230	.0150	.01775	.1292E-04
		2	.0160	.0170		
8	LAB22	1	.0370	.0400	.03750	.4333E-05
		2	.0350	.0380		
9	LAB23	1	.0430	.0480	.04625	.4917E-05
		2	.0470	.0470		
10	LAB31	1	.0350	.0280	.03925	.9092E-04
		2	.0490	.0450		
11	LAB33	1	.0400	.0410	.03975	.9167E-06
		2	.0390	.0390		
12	LAB35	1	.0400	.0390	.03975	.9167E-06
		2	.0410	.0390		
13	LAB13	1	.0450	.0480	.04400	.2333E-04
		2	.0370	.0460		
14	LAB16	1	.0330	.0310	.03150	.1667E-05
		2	.0320	.0300		
15	LAB18	1	.0370	.0340	.03475	.2250E-05
		2	.0340	.0340		
16	LAB21	1	.0310	.0360	.03125	.1692E-04
		2	.0260	.0320		
17	LAB22	1	.0390	.0350	.03725	.2917E-05
		2	.0380	.0370		
18	LAB25	1	.0410	.0400	.03925	.2917E-05
		2	.0390	.0370		
19	LAB26	1	.0390	.0370	.03900	.4667E-05
		2	.0380	.0420		
20	LAB33	1	.0390	.0380	.03850	.3333E-06
		2	.0390	.0380		
21	LAB40	1	.0400	.0400	.03925	.9167E-06
		2	.0380	.0390		

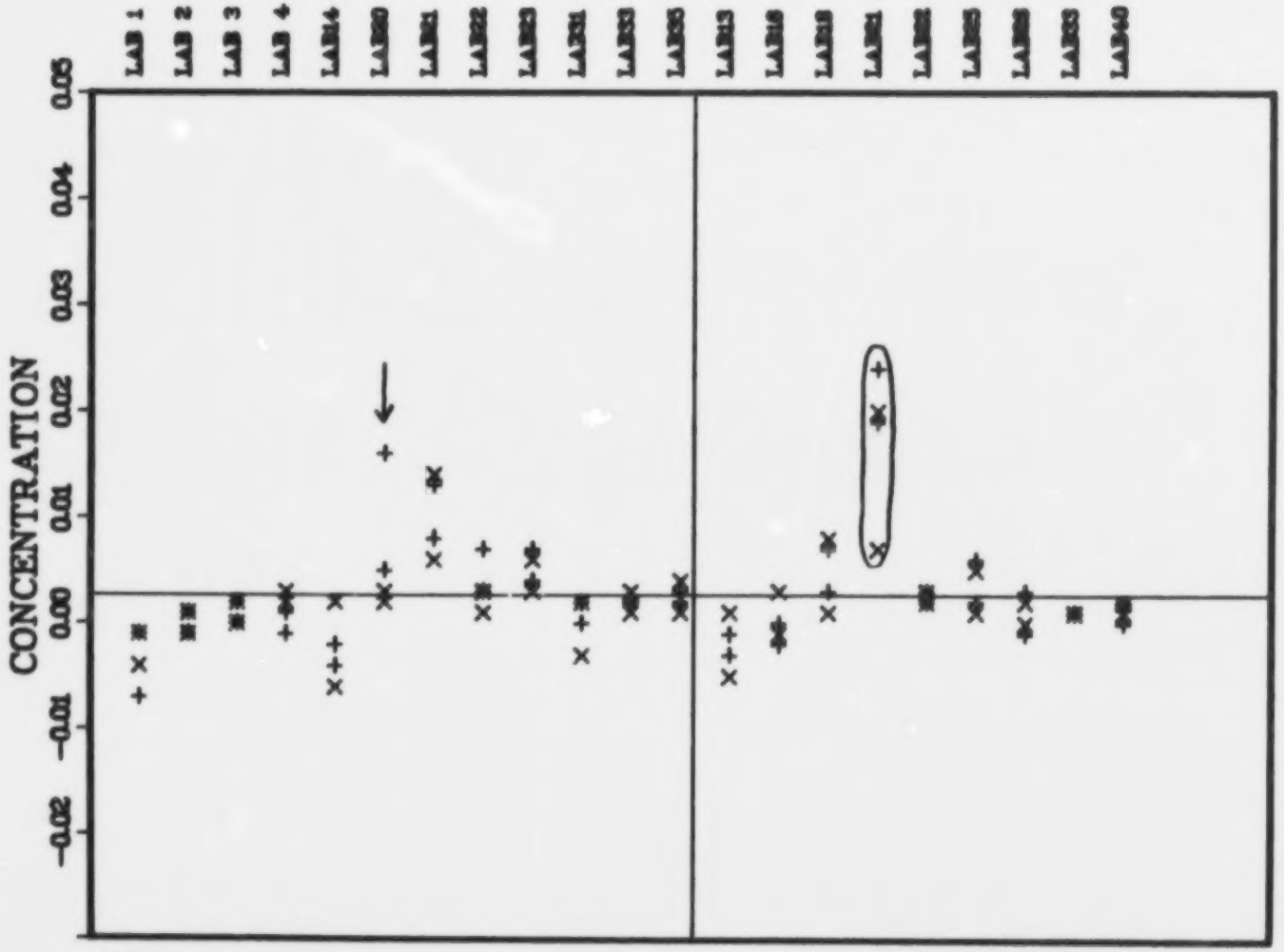


Figure 2. K 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K

SAMPLE 83-16 LOSS ON FUSION CORRECTED

Table 2. K 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	-.0010	-.0040	-.00325	.8250E-05
		2	-.0010	-.0070		
2	LAB 2	1	-.0010	.0010	0.00000	.1333E-05
		2	-.0010	.0010		
3	LAB 3	1	0.0000	.0020	.00100	.1333E-05
		2	0.0000	.0020		
4	LAB 4	1	.0020	.0030	.00125	.2917E-05
		2	-.0010	.0010		
5	LAB14	1	-.0060	.0020	-.00250	.1167E-04
		2	-.0040	-.0020		
6	LAB20	1	.0030	.0020	.00650	.4167E-04
		2	.0160	.0050		
7	LAB21	1	.0140	.0060	.01025	.1492E-04
		2	.0130	.0080		
8	LAB22	1	.0010	.0030	.00350	.6333E-05
		2	.0030	.0070		
9	LAB23	1	.0060	.0030	.00500	.3333E-05
		2	.0070	.0040		
10	LAB31	1	-.0030	.0020	.00025	.5583E-05
		2	0.0000	.0020		
11	LAB33	1	.0010	.0030	.00200	.6667E-06
		2	.0020	.0020		
12	LAB35	1	.0040	.0010	.00250	.1667E-05
		2	.0030	.0020		
13	LAB13	1	-.0050	.0010	-.00200	.6667E-05
		2	-.0030	-.0010		
14	LAB16	1	.0030	-.0010	0.00000	.4667E-05
		2	0.0000	-.0020		
15	LAB18	1	.0080	.0010	.00475	.1092E-04
		2	.0070	.0030		
16	LAB21	1	.0070	.0200	.01750	.5367E-04
		2	.0190	.0240		
17	LAB22	1	.0030	.0020	.00250	.3333E-06
		2	.0030	.0020		
18	LAB25	1	.0050	.0010	.00350	.5667E-05
		2	.0020	.0060		
19	LAB26	1	.0020	0.0000	.00100	.3333E-05
		2	-.0010	.0030		
20	LAB33	1	.0010	.0010	.00100	0.
		2	.0010	.0010		
21	LAB40	1	.0020	.0010	.00125	.9167E-06
		2	.0020	0.0000		

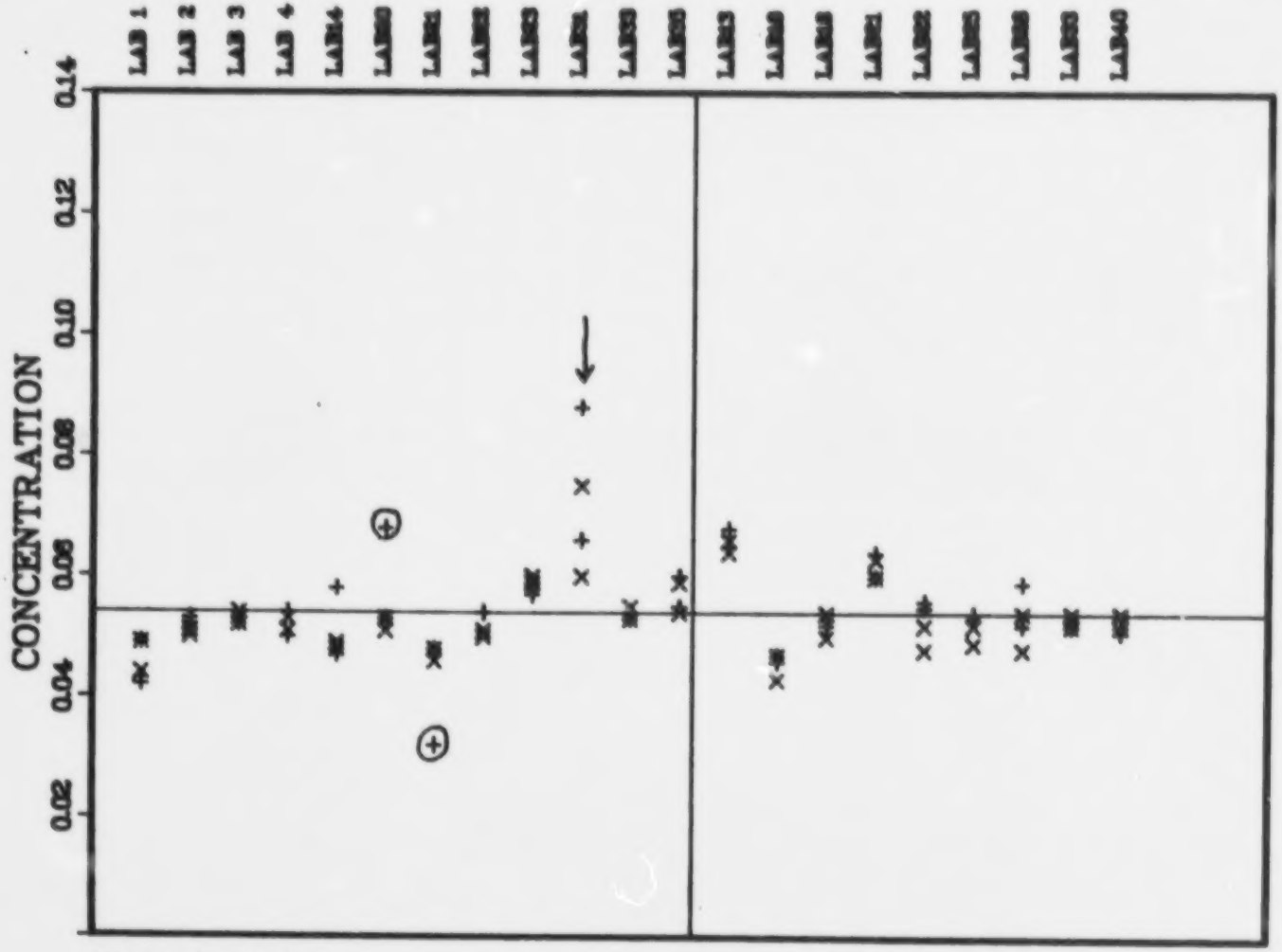


Figure 2. K 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K

SAMPLE: 83-17 LOSS ON FUSION CORRECTED

Table 2. K 2.P.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 K
SAMPLE: 83-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0490	.0440	.04600	.1267E-04
		2	.0490	.0420		
2	LAB 2	1	.0500	.0510	.05125	.1583E-05
		2	.0510	.0530		
3	LAB 3	1	.0520	.0540	.05275	.9167E-06
		2	.0520	.0530		
4	LAB 4	1	.0510	.0530	.05200	.3333E-05
		2	.0540	.0500		
5	LAB14	1	.0490	.0480	.05050	.2567E-04
		2	.0470	.0580		
6	LAB20	1	.0510	.0530	.05625	.6225E-04
		2	.0680	.0530		
7	LAB21	1	.0480	.0460	.04350	.5967E-04
		2	.0320	.0480		
8	LAB22	1	.0500	.0510	.05225	.4250E-05
		2	.0540	.0540		
9	LAB23	1	.0590	.0600	.05850	.1667E-05
		2	.0580	.0570		
10	LAB31	1	.0750	.0600	.07225	.1482E-03
		2	.0880	.0660		
11	LAB33	1	.0530	.0550	.05375	.9167E-06
		2	.0530	.0540		
12	LAB35	1	.0590	.0540	.05700	.8667E-05
		2	.0600	.0550		
13	LAB13	1	.0660	.0640	.06575	.2917E-05
		2	.0650	.0680		
14	LAB16	1	.0470	.0430	.04575	.3583E-05
		2	.0470	.0460		
15	LAB18	1	.0540	.0500	.05225	.2917E-05
		2	.0530	.0520		
16	LAB21	1	.0600	.0630	.06175	.4250E-05
		2	.0600	.0640		
17	LAB22	1	.0480	.0520	.05275	.1292E-04
		2	.0560	.0550		
18	LAB25	1	.0490	.0520	.05200	.4667E-05
		2	.0540	.0530		
19	LAB26	1	.0540	.0480	.05325	.2092E-04
		2	.0520	.0590		
20	LAB33	1	.0540	.0520	.05250	.1000E-05
		2	.0520	.0520		
21	LAB40	1	.0540	.0520	.05225	.1583E-05
		2	.0520	.0510		

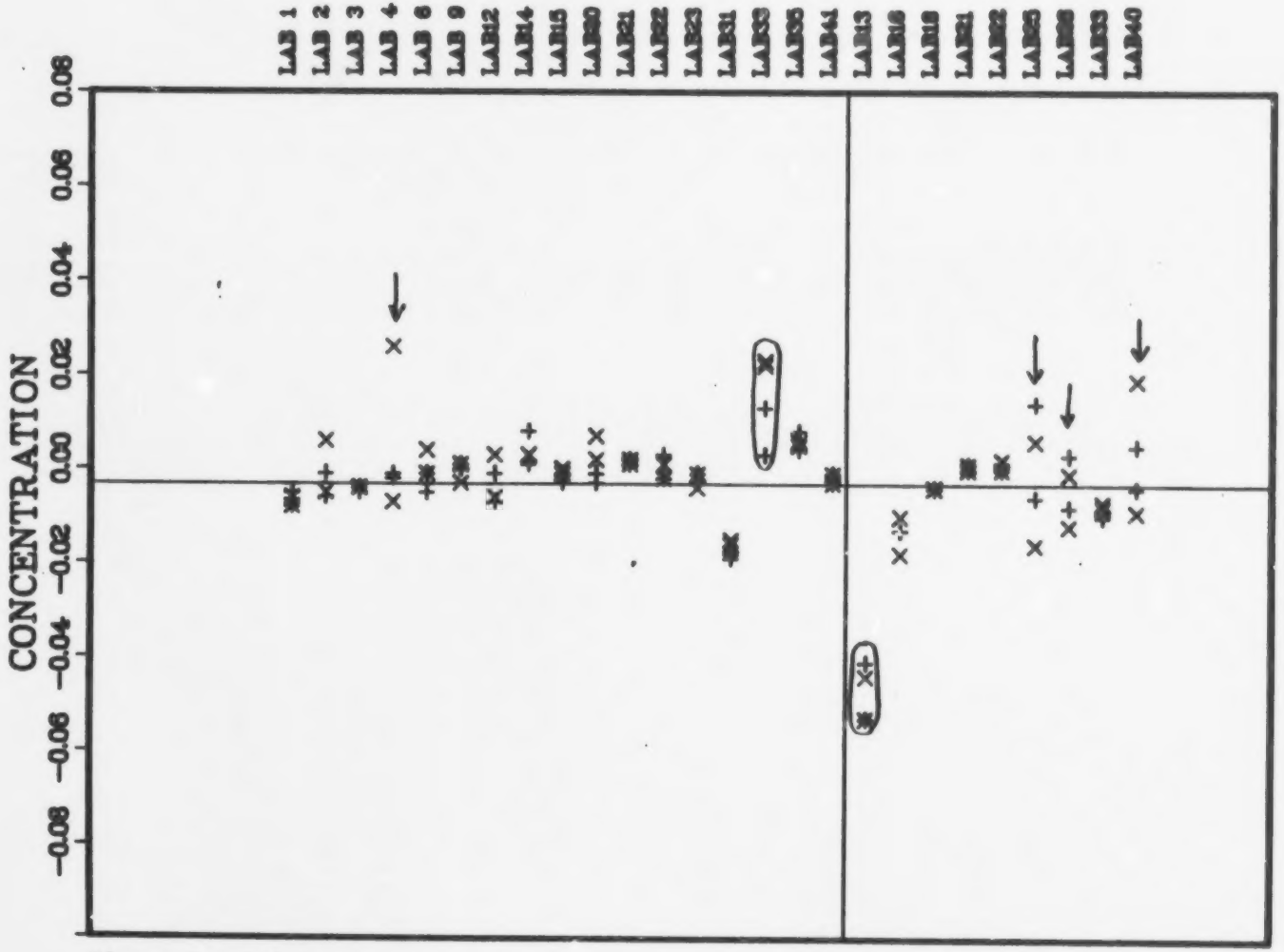


Figure 2. S 1.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 S

SAMPLE: 77-8 LOSS CORRECTED ALPHA

Table 2. S i.M.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	-.0060	-.0080	-.00675	.2250E-05
		2	-.0050	-.0080		
2	LAB 2	1	-.0050	.0060	-.00150	.2967E-04
		2	-.0060	-.0010		
3	LAB 3	1	-.0040	-.0040	-.00425	.2500E-06
		2	-.0050	-.0040		
4	LAB 4	1	.0260	-.0070	.00400	.2220E-03
		2	-.0020	-.0010		
5	LAB 6	1	-.0010	.0040	-.00075	.1358E-04
		2	-.0010	-.0050		
6	LAB 9	1	-.0030	.0010	-.00025	.3583E-05
		2	.0010	0.0000		
7	LAB12	1	-.0060	.0030	-.00275	.2158E-04
		2	-.0070	-.0010		
8	LAB14	1	.0030	.0030	.00375	.8917E-05
		2	.0080	.0010		
9	LAB15	1	0.0000	-.0010	-.00125	.1583E-05
		2	-.0010	-.0030		
10	LAB20	1	.0070	.0020	.00125	.1892E-04
		2	-.0010	-.0030		
11	LAB21	1	.0020	.0010	.00150	.3333E-06
		2	.0020	.0010		
12	LAB22	1	-.0020	.0010	0.00000	.6000E-05
		2	-.0020	.0030		
13	LAB23	1	-.0040	-.0010	-.00225	.2250E-05
		2	-.0030	-.0010		
14	LAB31	1	-.0150	-.0160	-.01700	.3333E-05
		2	-.0190	-.0180		
15	LAB33	1	.0220	.0230	.01525	.8692E-04
		2	.0030	.0130		
16	LAB35	1	.0050	.0060	.00575	.2917E-05
		2	.0040	.0080		
17	LAB41	1	-.0030	-.0010	-.00200	.1333E-05
		2	-.0030	-.0010		
18	LAB13	1	-.0530	-.0440	-.04775	.3825E-04
		2	-.0530	-.0410		
19	LAB16	1	-.0100	-.0180	-.01350	.1100E-04
		2	-.0130	-.0130		
20	LAB18	1	-.0040	-.0040	-.00400	0.
		2	-.0040	-.0040		
21	LAB21	1	0.0000	.0010	.00050	.3333E-06
		2	0.0000	.0010		
22	LAB22	1	.0020	0.0000	.00075	.9167E-06
		2	0.0000	.0010		
23	LAB25	1	.0060	-.0160	-.00050	.1743E-03
		2	-.0060	.0140		
24	LAB26	1	-.0010	-.0120	-.00450	.4567E-04
		2	-.0080	.0030		
25	LAB33	1	-.0070	-.0080	-.00850	.1667E-05
		2	-.0100	-.0090		
26	LAB40	1	-.0090	.0190	.00275	.1509E-03
		2	.0050	-.0040		

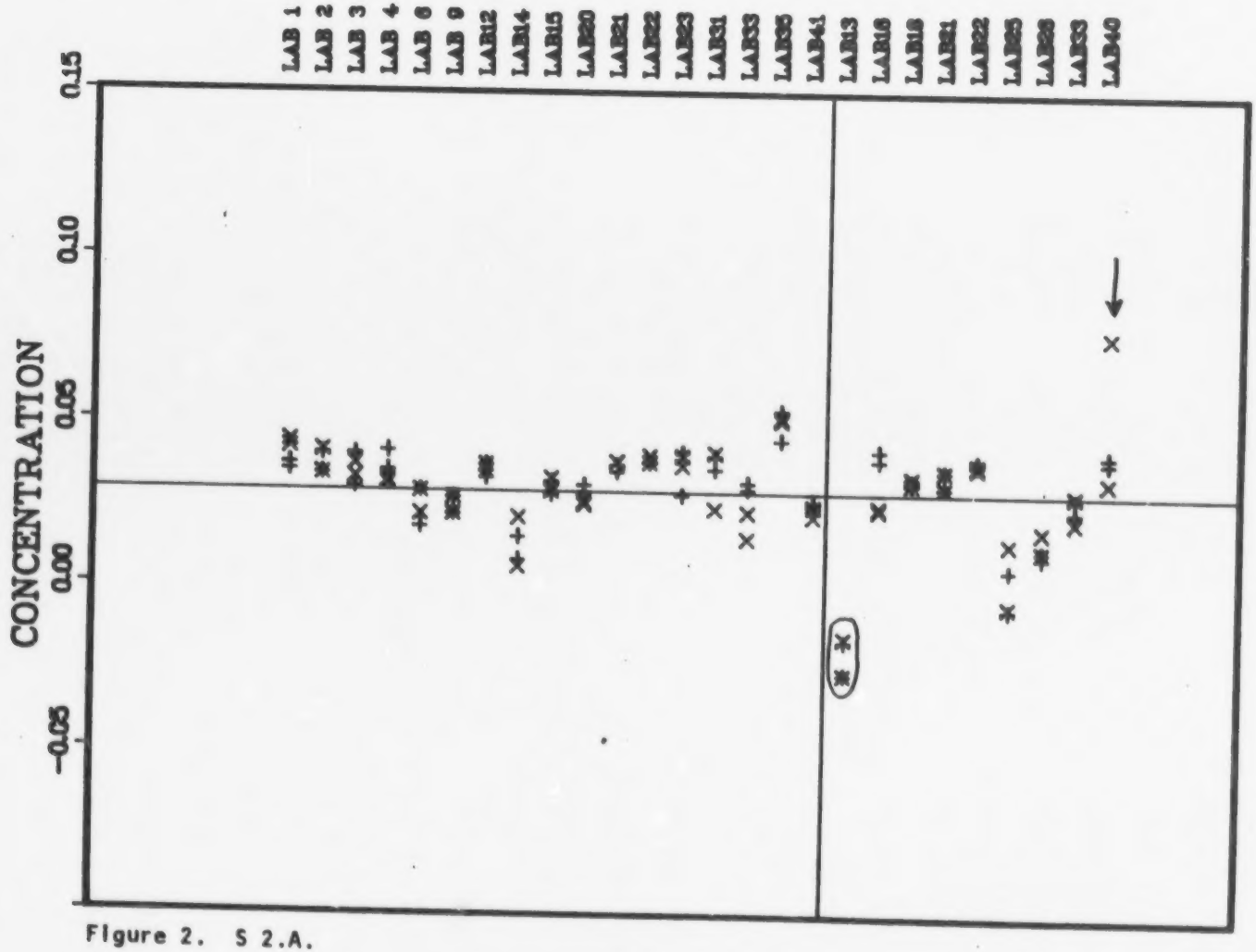


Figure 2. S 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 S

SAMPLE 79-4 LOSS CORRECTED ALPHA

Table 2. S 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0420	.0440	.03950	.1767E-04
		2	.0370	.0350		
2	LAB 2	1	.0340	.0410	.03725	.1425E-04
		2	.0340	.0400		
3	LAB 3	1	.0370	.0330	.03500	.1933E-04
		2	.0400	.0300		
4	LAB 4	1	.0320	.0310	.03475	.2025E-04
		2	.0410	.0350		
5	LAB 6	1	.0220	.0290	.02450	.2967E-04
		2	.0180	.0290		
6	LAB 9	1	.0220	.0270	.02450	.8333E-05
		2	.0220	.0270		
7	LAB12	1	.0370	.0350	.03550	.3667E-05
		2	.0330	.0370		
8	LAB14	1	.0060	.0210	.01250	.4700E-04
		2	.0150	.0080		
9	LAB15	1	.0290	.0330	.03050	.5667E-05
		2	.0280	.0320		
10	LAB20	1	.0260	.0250	.02725	.6917E-05
		2	.0270	.0310		
11	LAB21	1	.0380	.0380	.03700	.2000E-05
		2	.0370	.0350		
12	LAB22	1	.0380	.0400	.03850	.1000E-05
		2	.0380	.0380		
13	LAB23	1	.0370	.0400	.03650	.3500E-04
		2	.0280	.0410		
14	LAB31	1	.0410	.0240	.03525	.6092E-04
		2	.0360	.0400		
15	LAB33	1	.0230	.0150	.02500	.5933E-04
		2	.0300	.0320		
16	LAB35	1	.0520	.0510	.05050	.1500E-04
		2	.0540	.0450		
17	LAB41	1	.0220	.0250	.02450	.3000E-05
		2	.0250	.0260		
18	LAB13	1	-.0150	-.0260	-.02075	.3692E-04
		2	-.0160	-.0260		
19	LAB16	1	.0240	.0250	.03250	.8700E-04
		2	.0390	.0420		
20	LAB18	1	.0320	.0340	.03275	.9167E-06
		2	.0330	.0320		
21	LAB21	1	.0360	.0310	.03350	.8333E-05
		2	.0360	.0310		
22	LAB22	1	.0380	.0370	.03800	.6667E-06
		2	.0390	.0380		
23	LAB25	1	-.0050	.0140	.00225	.9092E-04
		2	-.0060	.0060		
24	LAB26	1	.0180	.0120	.01300	.1200E-04
		2	.0100	.0120		
25	LAB33	1	.0290	.0210	.02550	.1367E-04
		2	.0280	.0240		
26	LAB40	1	.0330	.0770	.04750	.3983E-03
		2	.0410	.0390		

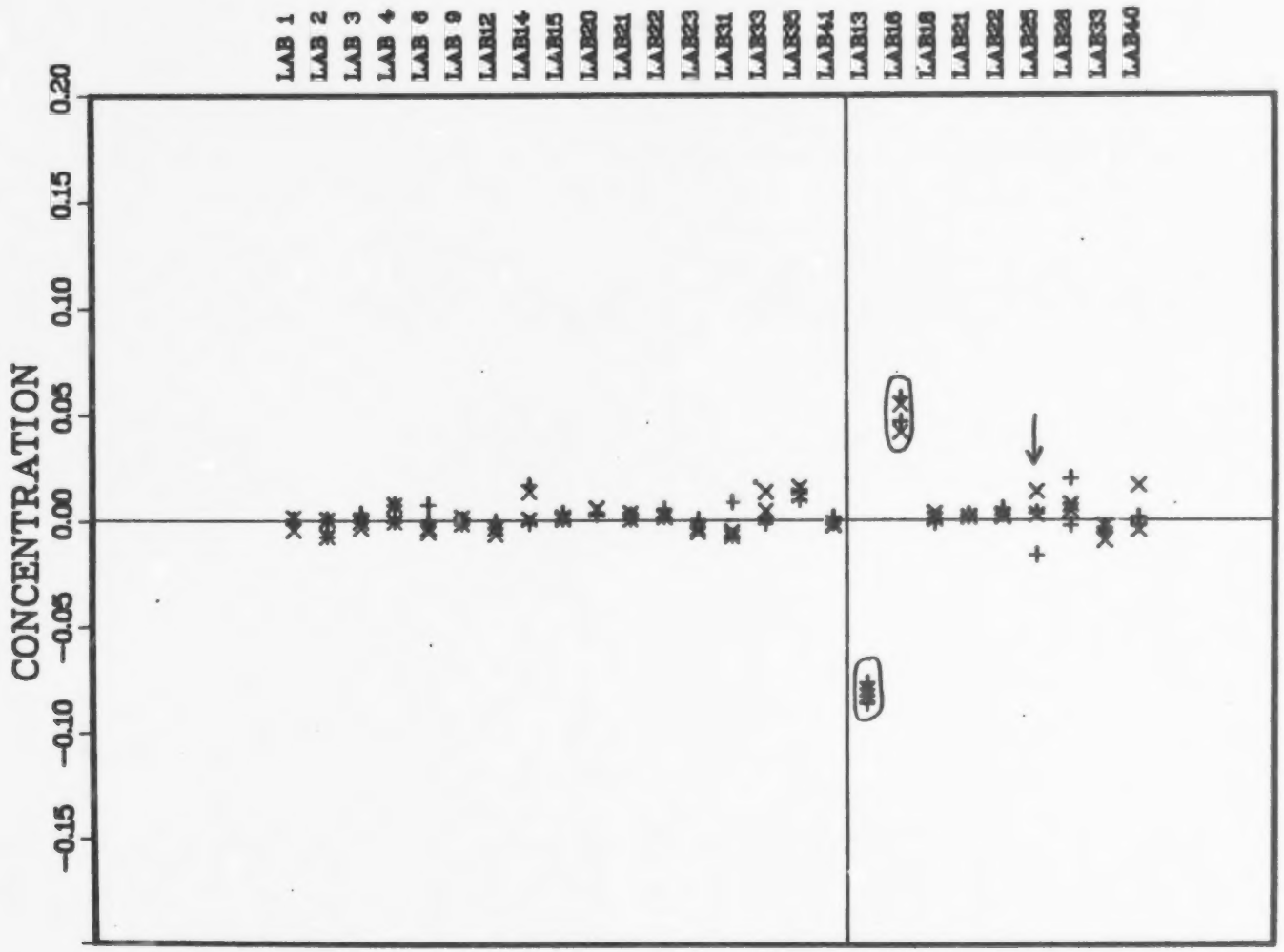


Figure 2. S 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 S

SAMPLE: 79–13 LOSS CORRECTED ALPHA

Table 2. S S.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0020	-.0040	-.00050	.7000E-05
		2	.0010	-.0010		
2	LAB 2	1	-.0070	.0010	-.00300	.2133E-04
		2	-.0070	.0010		
3	LAB 3	1	0.0000	-.0030	.00050	.8333E-05
		2	.0040	.0010		
4	LAB 4	1	.0080	0.0000	.00400	.2133E-04
		2	.0080	0.0000		
5	LAB 6	1	-.0050	-.0030	0.00000	.3267E-04
		2	.0080	0.0000		
6	LAB 9	1	-.0010	.0020	.00025	.2250E-05
		2	-.0010	.0010		
7	LAB12	1	-.0060	-.0030	-.00300	.6000E-05
		2	-.0030	0.0000		
8	LAB14	1	.0010	.0140	.00775	.8225E-04
		2	-.0010	.0170		
9	LAB15	1	.0010	.0020	.00200	.2000E-05
		2	.0040	.0010		
10	LAB20	1	.0060	.0060	.00475	.2250E-05
		2	.0030	.0040		
11	LAB21	1	.0040	.0010	.00225	.2250E-05
		2	.0030	.0010		
12	LAB22	1	.0020	.0020	.00300	.4000E-05
		2	.0060	.0020		
13	LAB23	1	-.0030	-.0050	-.00250	.6333E-05
		2	.0010	-.0030		
14	LAB31	1	-.0050	-.0070	-.00250	.5967E-04
		2	-.0070	.0090		
15	LAB33	1	.0050	.0140	.00500	.4200E-04
		2	.0020	-.0010		
16	LAB35	1	.0160	.0120	.01300	.6667E-05
		2	.0140	.0100		
17	LAB41	1	-.0020	-.0010	-.00050	.3000E-05
		2	.0020	-.0010		
18	LAB13	1	-.0790	-.0820	-.08075	.1825E-04
		2	-.0760	-.0860		
19	LAB16	1	.0420	.0550	.05050	.5367E-04
		2	.0470	.0580		
20	LAB18	1	.0010	.0040	.00125	.4250E-05
		2	-.0010	.0010		
21	LAB21	1	.0020	.0020	.00225	.2500E-06
		2	.0030	.0020		
22	LAB22	1	.0030	.0020	.00350	.3000E-05
		2	.0030	.0060		
23	LAB25	1	.0140	.0030	.00125	.1569E-03
		2	-.0160	.0040		
24	LAB26	1	.0050	.0080	.00775	.8425E-04
		2	-.0020	.0200		
25	LAB33	1	-.0020	-.0090	-.00475	.9583E-05
		2	-.0030	-.0050		
26	LAB40	1	-.0040	.0170	.00325	.9025E-04
		2	-.0020	.0020		

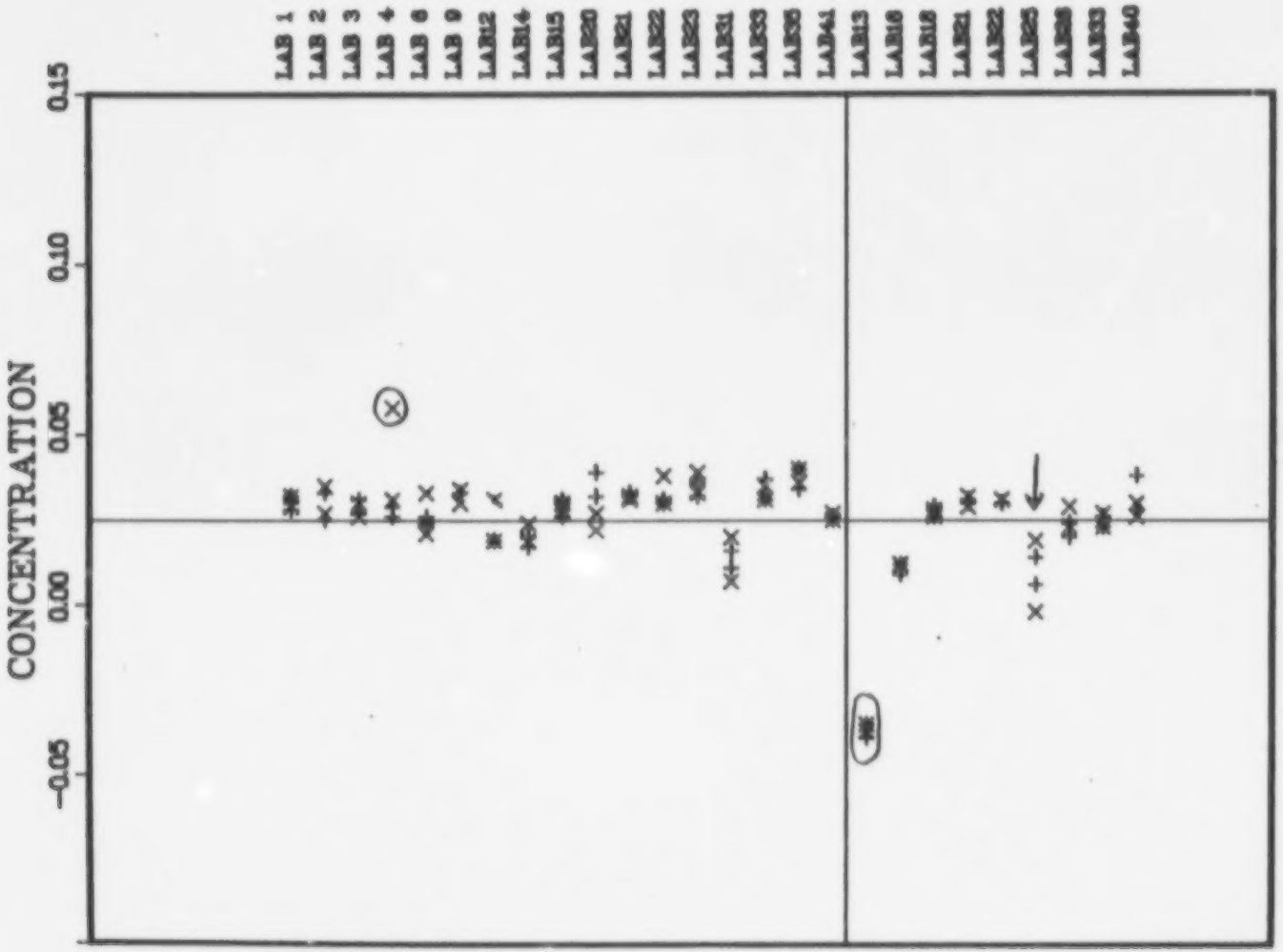


Figure 2. S 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 S

SAMPLE: 83-1 LOSS CORRECTED ALPHA

Table 2. S 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 83-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0320	.0290	.03025	.4250E-05
		2	.0320	.0280		
2	LAB 2	1	.0270	.0350	.03000	.2267E-04
		2	.0250	.0330		
3	LAB 3	1	.0300	.0260	.02850	.5667E-05
		2	.0310	.0270		
4	LAB 4	1	.0310	.0580	.03600	.2193E-03
		2	.0290	.0260		
5	LAB 6	1	.0330	.0210	.02600	.2600E-04
		2	.0260	.0240		
6	LAB 9	1	.0300	.0340	.03250	.3000E-05
		2	.0330	.0330		
7	LAB12	1	.0190	.0310	.02475	.4425E-04
		2	.0190	.0300		
8	LAB14	1	.0190	.0240	.02000	.8667E-05
		2	.0170	.0200		
9	LAB15	1	.0300	.0280	.02875	.4917E-05
		2	.0310	.0260		
10	LAB20	1	.0270	.0220	.03000	.5267E-04
		2	.0320	.0390		
11	LAB21	1	.0320	.0310	.03200	.6667E-06
		2	.0330	.0320		
12	LAB22	1	.0380	.0300	.03225	.1492E-04
		2	.0310	.0300		
13	LAB23	1	.0390	.0330	.03500	.1000E-04
		2	.0320	.0360		
14	LAB31	1	.0200	.0070	.01350	.3233E-04
		2	.0160	.0110		
15	LAB33	1	.0350	.0310	.03350	.9000E-05
		2	.0370	.0310		
16	LAB35	1	.0400	.0360	.03750	.9000E-05
		2	.0340	.0400		
17	LAB41	1	.0270	.0250	.02575	.9167E-06
		2	.0250	.0260		
18	LAB13	1	-.0350	-.0370	-.03650	.3667E-05
		2	-.0350	-.0390		
19	LAB16	1	.0120	.0120	.01125	.2250E-05
		2	.0120	.0090		
20	LAB18	1	.0280	.0260	.02725	.2250E-05
		2	.0260	.0290		
21	LAB21	1	.0320	.0290	.03050	.1667E-05
		2	.0300	.0310		
22	LAB22	1	.0310	.0310	.03050	.3333E-06
		2	.0300	.0300		
23	LAB25	1	.0190	-.0020	.00925	.5492E-04
		2	.0060	.0140		
24	LAB26	1	.0230	.0290	.02400	.1400E-04
		2	.0240	.0200		
25	LAB33	1	.0270	.0230	.02475	.4250E-05
		2	.0260	.0230		
26	LAB40	1	.0260	.0300	.03050	.2767E-04
		2	.0280	.0380		

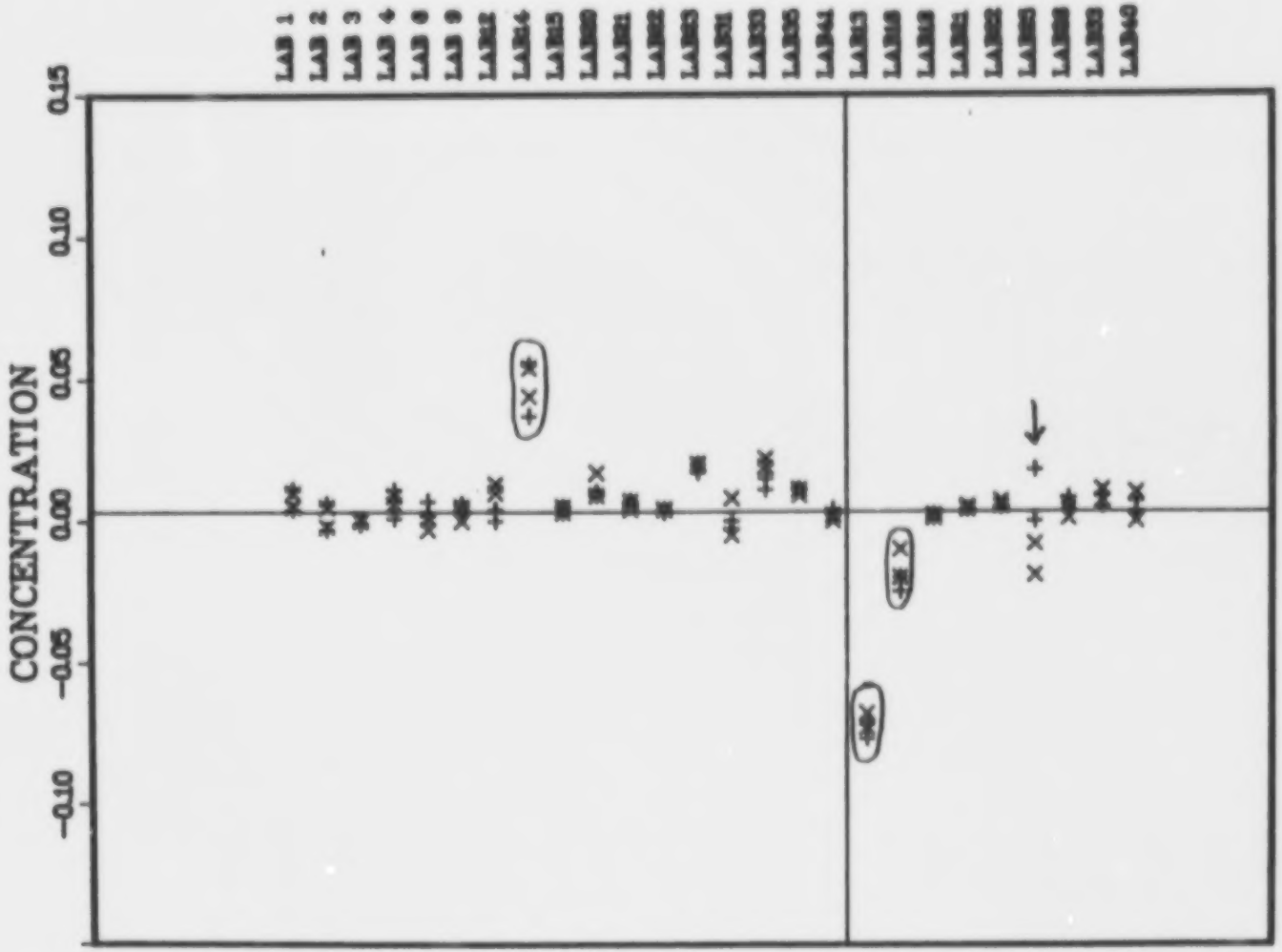


Figure 2. S S.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 3

SAMPLE: 83-0 LOSS CORRECTED ALPHA

Table 2. S 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0100	.0050	.00750	.1233E-04
		2	.0040	.0110		
2	LAB 2	1	-.0020	.0050	.00150	.2167E-04
		2	-.0030	.0060		
3	LAB 3	1	.0010	0.0000	-.00025	.9167E-06
		2	-.0010	-.0010		
4	LAB 4	1	.0090	.0060	.00675	.1892E-04
		2	.0110	.0010		
5	LAB 6	1	-.0030	.0010	-.00175	.1692E-04
		2	.0070	.0020		
6	LAB 9	1	0.0000	.0050	.00375	.6917E-05
		2	.0040	.0060		
7	LAB12	1	.0100	.0130	.00675	.3425E-04
		2	0.0000	.0040		
8	LAB14	1	.0440	.0540	.04750	.7367E-04
		2	.0370	.0550		
9	LAB15	1	.0050	.0030	.00400	.1333E-05
		2	.0050	.0030		
10	LAB20	1	.0170	.0090	.01125	.1492E-04
		2	.0090	.0100		
11	LAB21	1	.0070	.0040	.00575	.2250E-05
		2	.0070	.0050		
12	LAB22	1	.0040	.0040	.00375	.2500E-06
		2	.0030	.0040		
13	LAB23	1	.0200	.0200	.01925	.2250E-05
		2	.0200	.0170		
14	LAB31	1	.0080	-.0050	0.00000	.3267E-04
		2	0.0000	-.0030		
15	LAB33	1	.0190	.0220	.01675	.2292E-04
		2	.0110	.0150		
16	LAB35	1	.0090	.0110	.01050	.1000E-05
		2	.0110	.0110		
17	LAB41	1	.0020	0.0000	.00200	.2667E-05
		2	.0020	.0040		
18	LAB13	1	-.0680	-.0730	-.07250	.1367E-04
		2	-.0770	-.0720		
19	LAB16	1	-.0100	-.0200	-.01875	.3958E-04
		2	-.0200	-.0250		
20	LAB18	1	.0010	.0020	.00150	.3333E-06
		2	.0020	.0010		
21	LAB21	1	.0040	.0050	.00425	.2500E-06
		2	.0040	.0040		
22	LAB22	1	.0070	.0050	.00550	.1000E-05
		2	.0050	.0050		
23	LAB25	1	-.0080	-.0190	-.00225	.2429E-03
		2	0.0000	.0180		
24	LAB26	1	.0010	.0060	.00525	.8917E-05
		2	.0060	.0080		
25	LAB33	1	.0110	.0070	.00800	.6667E-05
		2	.0090	.0050		
26	LAB40	1	0.0000	.0100	.00500	.1933E-04
		2	.0030	.0070		

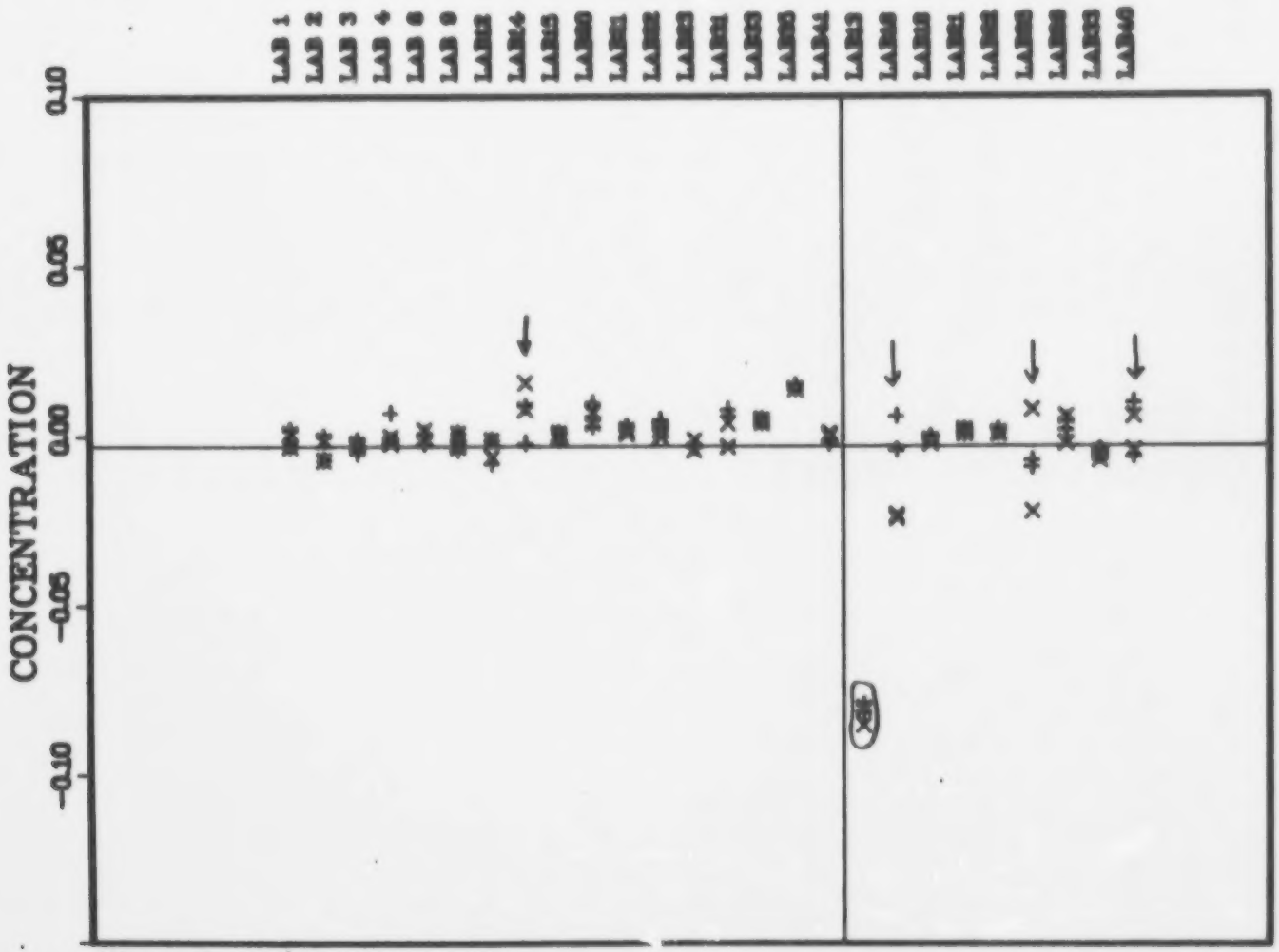


Figure 2. S 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 S

SAMPLE: 83-18 LOSS CORRECTED ALPHA

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0010	-.0030	-.00075	.6917E-05
		2	.0020	-.0030		
2	LAB 2	1	-.0070	-.0010	-.00375	.1429E-04
		2	-.0070	0.0000		
3	LAB 3	1	-.0020	-.0030	-.00275	.2917E-05
		2	-.0010	-.0050		
4	LAB 4	1	0.0000	-.0020	.00100	.1667E-04
		2	.0070	-.0010		
5	LAB 6	1	-.0010	.0020	0.00000	.3333E-05
		2	.0010	-.0020		
6	LAB 9	1	-.0030	.0010	-.00125	.6917E-05
		2	-.0040	.0010		
7	LAB12	1	-.0060	-.0010	-.00400	.1267E-04
		2	-.0080	-.0010		
8	LAB14	1	.0080	.0160	.00775	.5492E-04
		2	-.0020	.0090		
9	LAB15	1	.0010	0.0000	.00025	.9167E-06
		2	.0010	-.0010		
10	LAB20	1	.0040	.0070	.00600	.1000E-04
		2	.0030	.0100		
11	LAB21	1	.0020	.0010	.00200	.6667E-06
		2	.0020	.0030		
12	LAB22	1	0.0000	.0020	.00250	.4333E-05
		2	.0030	.0050		
13	LAB23	1	-.0040	-.0010	-.00275	.1583E-05
		2	-.0030	-.0030		
14	LAB31	1	-.0030	.0040	.00375	.2292E-04
		2	.0080	.0060		
15	LAB33	1	.0050	.0040	.00450	.3333E-06
		2	.0040	.0050		
16	LAB35	1	.0140	.0140	.01425	.2500E-06
		2	.0150	.0140		
17	LAB41	1	.0010	0.0000	-.00050	.1667E-05
		2	-.0010	-.0020		
18	LAB13	1	-.0800	-.0850	-.08125	.6917E-05
		2	-.0810	-.0790		
19	LAB16	1	-.0240	-.0230	-.01125	.2169E-03
		2	.0060	-.0040		
20	LAB18	1	-.0020	-.0010	-.00100	.6667E-06
		2	0.0000	-.0010		
21	LAB21	1	.0010	.0020	.00150	.3333E-06
		2	.0010	.0020		
22	LAB22	1	.0010	.0010	.00125	.2500E-06
		2	.0010	.0020		
23	LAB25	1	.0080	-.0220	-.00750	.1510E-03
		2	-.0070	-.0090		
24	LAB26	1	-.0020	.0060	.00275	.1292E-04
		2	.0050	.0020		
25	LAB33	1	-.0050	-.0070	-.00550	.1667E-05
		2	-.0040	-.0060		
26	LAB40	1	-.0040	.0060	.00150	.5967E-04
		2	-.0060	.0100		

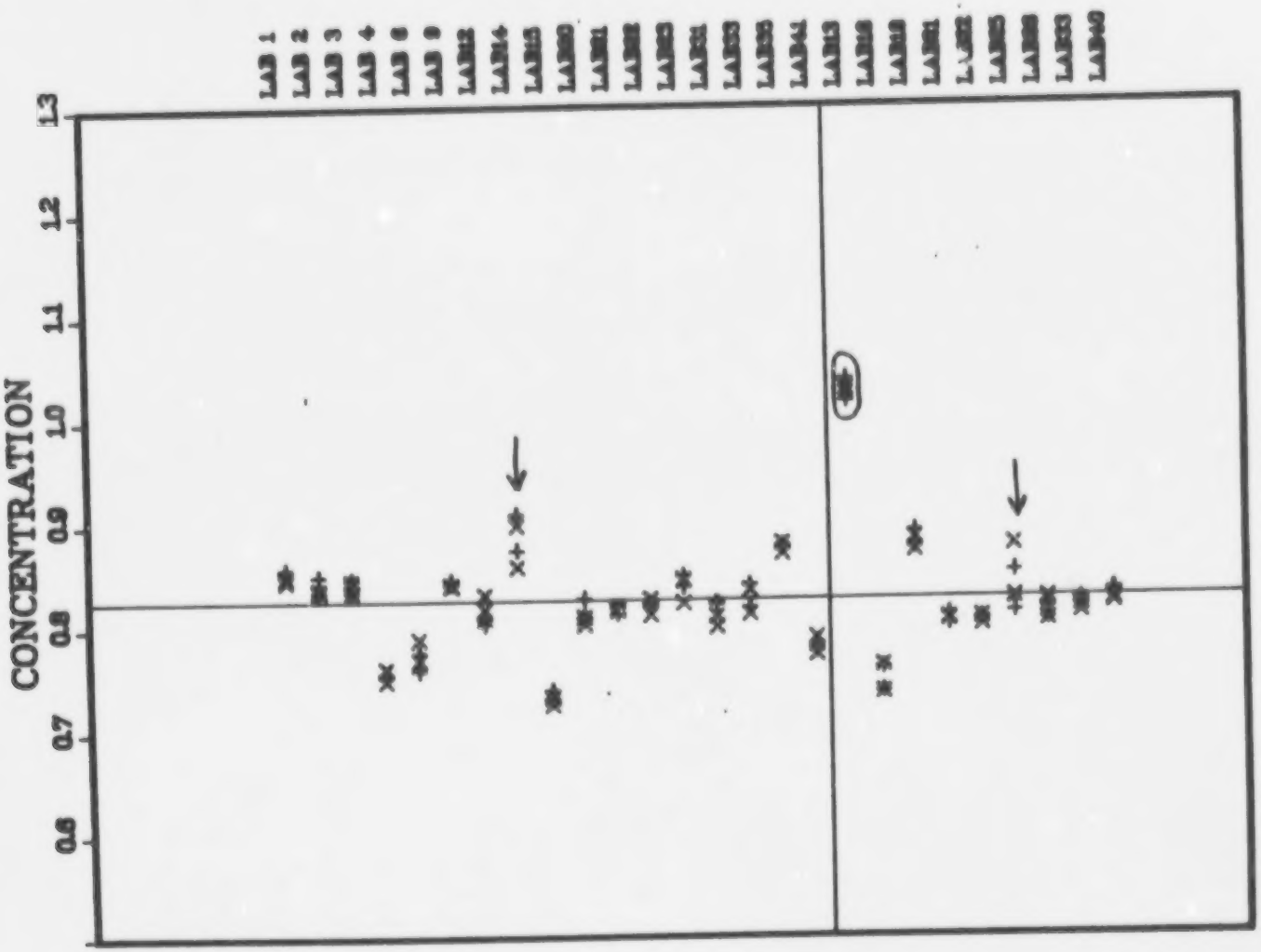


Figure 2. S 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S

SAMPLE 83-17 LOSS CORRECTED ALPHA

Table 2. S 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 83-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.8460	.8500	.85150	.2500E-04
		2	.8520	.8580		
2	LAB 2	1	.8380	.8360	.84025	.3225E-04
		2	.8510	.8360		
3	LAB 3	1	.8360	.8460	.84150	.4100E-04
		2	.8480	.8360		
4	LAB 4	1	.7500	.7620	.75575	.2558E-04
		2	.7540	.7570		
5	LAB 6	1	.7900	.7700	.77425	.1589E-03
		2	.7600	.7770		
6	LAB 9	1	.8420	.8410	.84300	.4667E-05
		2	.8430	.8460		
7	LAB12	1	.8180	.8320	.81575	.1509E-03
		2	.8040	.8090		
8	LAB14	1	.8590	.8990	.88575	.5316E-03
		2	.8750	.9100		
9	LAB15	1	.7260	.7330	.73225	.3492E-04
		2	.7300	.7400		
10	LAB20	1	.8100	.8030	.81275	.1143E-03
		2	.8280	.8100		
11	LAB21	1	.8160	.8190	.81675	.8250E-05
		2	.8190	.8130		
12	LAB22	1	.8120	.8270	.82025	.4092E-04
		2	.8190	.8230		
13	LAB23	1	.8460	.8230	.83925	.1349E-03
		2	.8490	.8390		
14	LAB31	1	.8100	.8000	.81375	.1189E-03
		2	.8220	.8230		
15	LAB33	1	.8120	.8350	.82625	.1789E-03
		2	.8180	.8400		
16	LAB35	1	.8800	.8700	.87575	.1892E-04
		2	.8780	.8750		
17	LAB41	1	.7890	.7730	.78025	.9158E-04
		2	.7830	.7760		
18	LAB13	1	1.0230	1.0280	1.02600	.7800E-04
		2	1.0160	1.0370		
19	LAB16	1	.7620	.7360	.74975	.2009E-03
		2	.7600	.7370		
20	LAB18	1	.8840	.8720	.88050	.7500E-04
		2	.8910	.8750		
21	LAB21	1	.8060	.8050	.80550	.1367E-04
		2	.8100	.8010		
22	LAB22	1	.8070	.8000	.80450	.9667E-05
		2	.8060	.8050		
23	LAB25	1	.8260	.8770	.84150	.8203E-03
		2	.8510	.8120		
24	LAB26	1	.8250	.8040	.81250	.9900E-04
		2	.8160	.8050		
25	LAB33	1	.8110	.8180	.81775	.2492E-04
		2	.8230	.8190		
26	LAB40	1	.8200	.8230	.82625	.3225E-04
		2	.8300	.8320		

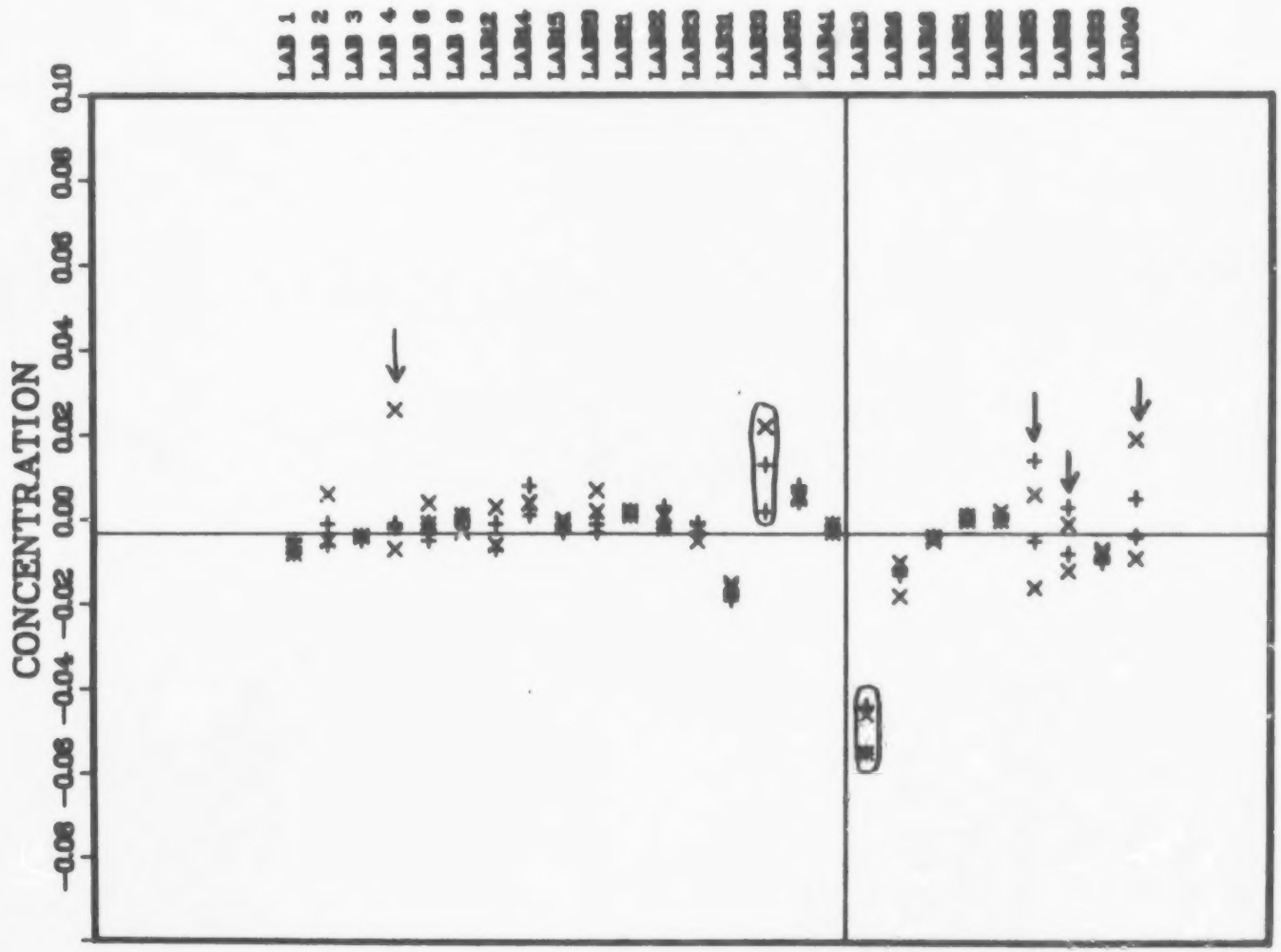


Figure 2. S I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 8

SAMPLE 77-8 LOSS ON FUSION CORRECTED

Table 2. S I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 77-8 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	-.0060	-.0080	-.00675	.2250E-05
		2	-.0050	-.0080		
2	LAB 2	1	-.0050	.0060	-.00150	.2967E-04
		2	-.0060	-.0010		
3	LAB 3	1	-.0040	-.0040	-.00425	.2500E-06
		2	-.0050	-.0040		
4	LAB 4	1	.0260	-.0070	.00400	.2220E-03
		2	-.0020	-.0010		
5	LAB 6	1	-.0010	.0040	-.00075	.1358E-04
		2	-.0010	-.0050		
6	LAB 9	1	-.0030	.0010	-.00025	.3583E-05
		2	.0010	0.0000		
7	LAB12	1	-.0060	.0030	-.00275	.2158E-04
		2	-.0070	-.0010		
8	LAB14	1	.0040	.0040	.00425	.8250E-05
		2	.0080	.0010		
9	LAB15	1	0.0000	-.0010	-.00125	.1583E-05
		2	-.0010	-.0030		
10	LAB20	1	.0070	.0020	.00125	.1892E-04
		2	-.0010	-.0030		
11	LAB21	1	.0020	.0010	.00150	.3333E-06
		2	.0020	.0010		
12	LAB22	1	-.0020	.0010	0.00000	.6000E-05
		2	-.0020	.0030		
13	LAB23	1	-.0050	-.0020	-.00275	.2917E-05
		2	-.0030	-.0010		
14	LAB31	1	-.0150	-.0160	-.01700	.3333E-05
		2	-.0190	-.0180		
15	LAB33	1	.0220	.0220	.01475	.9025E-04
		2	.0020	.0130		
16	LAB35	1	.0050	.0060	.00575	.2917E-05
		2	.0040	.0080		
17	LAB41	1	-.0030	-.0010	-.00200	.1333E-05
		2	-.0030	-.0010		
18	LAB13	1	-.0550	-.0460	-.05000	.3400E-04
		2	-.0550	-.0440		
19	LAB16	1	-.0100	-.0180	-.01325	.1158E-04
		2	-.0120	-.0130		
20	LAB18	1	-.0040	-.0050	-.00425	.2500E-06
		2	-.0040	-.0040		
21	LAB21	1	0.0000	.0010	.00050	.3333E-06
		2	0.0000	.0010		
22	LAB22	1	.0020	0.0000	.00075	.9167E-06
		2	0.0000	.0010		
23	LAB25	1	.0060	-.0160	-.00025	.1709E-03
		2	-.0050	.0140		
24	LAB26	1	-.0010	-.0120	-.00450	.4567E-04
		2	-.0080	.0030		
25	LAB33	1	-.0070	-.0080	-.00850	.1667E-05
		2	-.0100	-.0090		
26	LAB40	1	-.0090	.0190	.00275	.1509E-03
		2	.0050	-.0040		

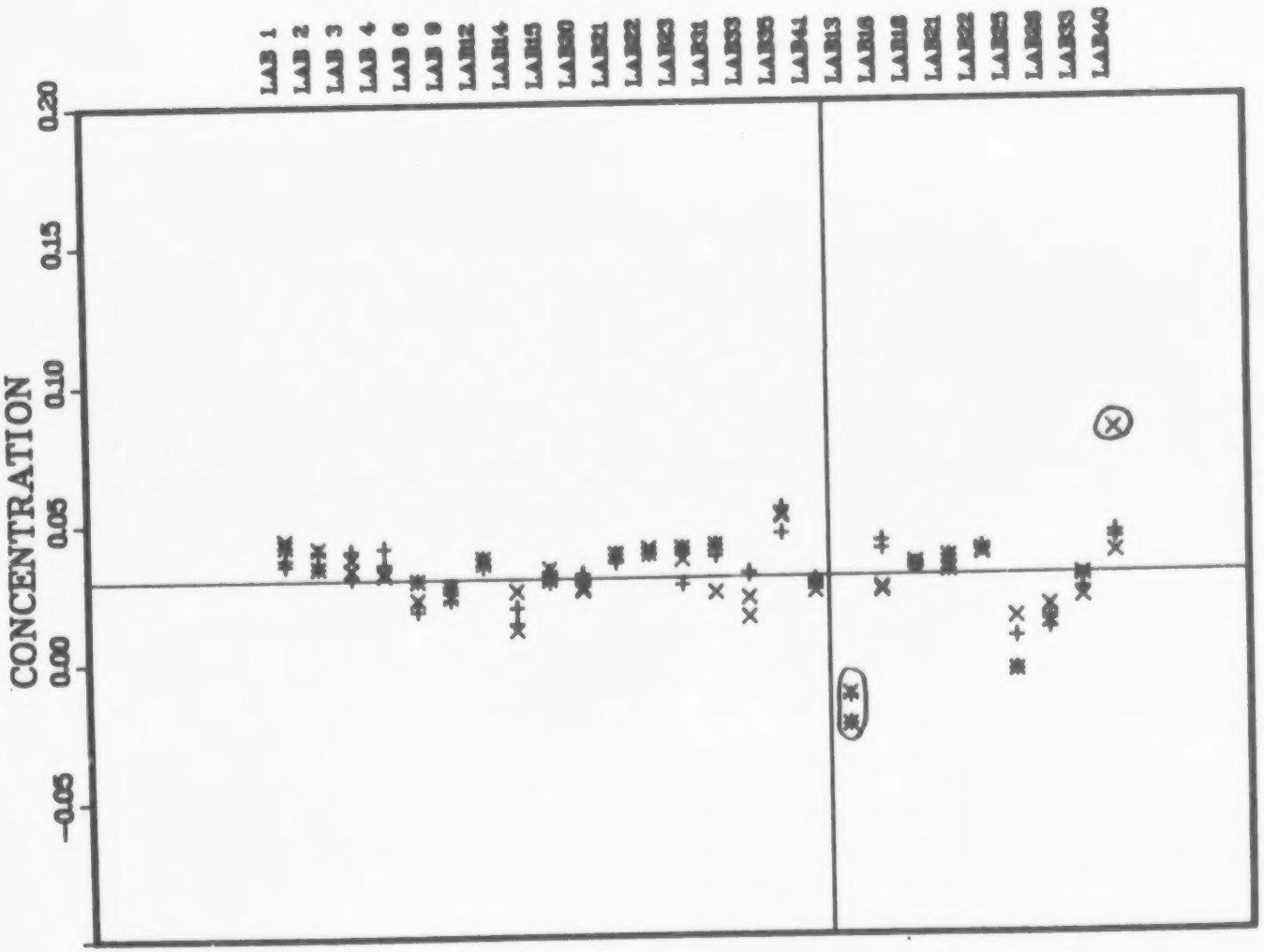


Figure 2. S 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S

SAMPLE: 79-4 LOSS ON FUSION CORRECTED

Table 2. S 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0420	.0440	.03950	.1767E-04
		2	.0370	.0350		
2	LAB 2	1	.0340	.0410	.03725	.1425E-04
		2	.0340	.0400		
3	LAB 3	1	.0370	.0330	.03500	.1933E-04
		2	.0400	.0300		
4	LAB 4	1	.0320	.0310	.03475	.2025E-04
		2	.0410	.0350		
5	LAB 6	1	.0220	.0290	.02450	.2967E-04
		2	.0180	.0290		
6	LAB 9	1	.0230	.0270	.02475	.6917E-05
		2	.0220	.0270		
7	LAB12	1	.0370	.0350	.03575	.2250E-05
		2	.0340	.0370		
8	LAB14	1	.0110	.0250	.01700	.4000E-04
		2	.0190	.0130		
9	LAB15	1	.0290	.0330	.03050	.5667E-05
		2	.0280	.0320		
10	LAB20	1	.0260	.0250	.02725	.6917E-05
		2	.0270	.0310		
11	LAB21	1	.0380	.0380	.03725	.2250E-05
		2	.0380	.0350		
12	LAB22	1	.0380	.0400	.03850	.1000E-05
		2	.0380	.0380		
13	LAB23	1	.0360	.0400	.03575	.3758E-04
		2	.0270	.0400		
14	LAB31	1	.0410	.0240	.03575	.6492E-04
		2	.0370	.0410		
15	LAB33	1	.0220	.0150	.02450	.5633E-04
		2	.0300	.0310		
16	LAB35	1	.0520	.0510	.05050	.1500E-04
		2	.0540	.0450		
17	LAB41	1	.0240	.0270	.02650	.3000E-05
		2	.0270	.0280		
18	LAB13	1	-.0130	-.0240	-.01875	.3692E-04
		2	-.0140	-.0240		
19	LAB16	1	.0240	.0250	.03250	.8700E-04
		2	.0390	.0420		
20	LAB18	1	.0320	.0340	.03275	.9167E-06
		2	.0330	.0320		
21	LAB21	1	.0360	.0310	.03350	.8333E-05
		2	.0360	.0310		
22	LAB22	1	.0380	.0370	.03800	.6667E-06
		2	.0390	.0380		
23	LAB25	1	-.0050	.0140	.00275	.8825E-04
		2	-.0050	.0070		
24	LAB26	1	.0180	.0120	.01325	.1158E-04
		2	.0100	.0130		
25	LAB33	1	.0290	.0210	.02550	.1367E-04
		2	.0280	.0240		
26	LAB40	1	.0370	.0810	.05100	.4087E-03
		2	.0440	.0420		

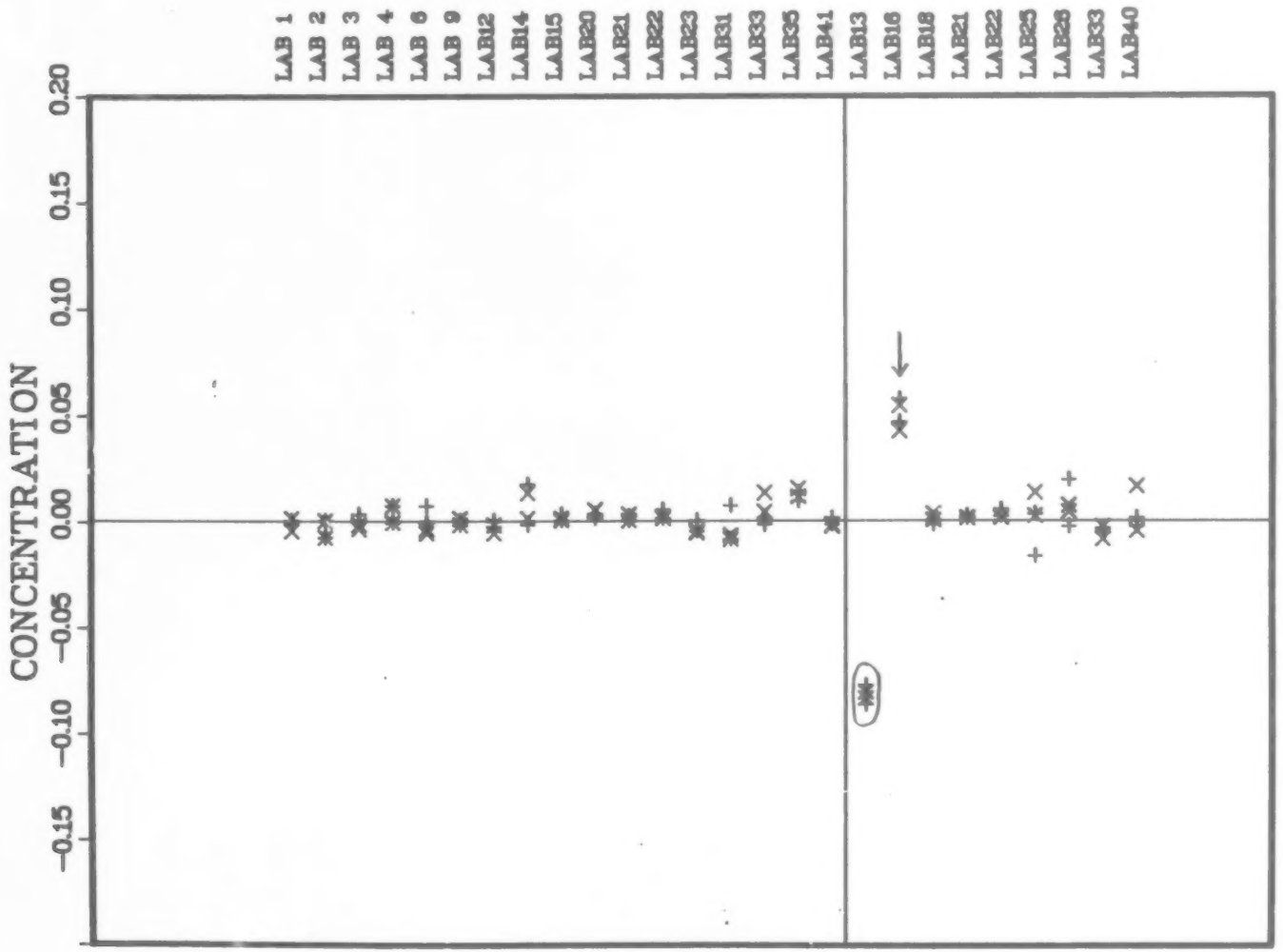


Figure 2. S 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD -- 1984 S

SAMPLE 79-13 LOSS ON FUSION CORRECTED

Table 2. S 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0020	-.0040	-.00050	.7000E-05
		2	.0010	-.0010		
2	LAB 2	1	-.0070	.0010	-.00300	.2133E-04
		2	-.0070	.0010		
3	LAB 3	1	-.0010	-.0030	.00025	.8917E-05
		2	.0040	.0010		
4	LAB 4	1	.0080	0.0000	.00400	.2133E-04
		2	.0080	0.0000		
5	LAB 6	1	-.0050	-.0030	0.00000	.3267E-04
		2	.0080	0.0000		
6	LAB 9	1	-.0010	.0020	.00025	.2250E-05
		2	-.0010	.0010		
7	LAB12	1	-.0050	-.0010	-.00175	.6250E-05
		2	-.0020	.0010		
8	LAB14	1	.0020	.0140	.00825	.8425E-04
		2	-.0010	.0180		
9	LAB15	1	.0010	.0020	.00200	.2000E-05
		2	.0040	.0010		
10	LAB20	1	.0060	.0060	.00450	.3667E-05
		2	.0020	.0040		
11	LAB21	1	.0040	.0010	.00225	.2250E-05
		2	.0030	.0010		
12	LAB22	1	.0020	.0020	.00300	.4000E-05
		2	.0060	.0020		
13	LAB23	1	-.0040	-.0050	-.00300	.7333E-05
		2	.0010	-.0040		
14	LAB31	1	-.0060	-.0080	-.00350	.5967E-04
		2	-.0080	.0080		
15	LAB33	1	.0050	.0140	.00500	.4200E-04
		2	.0020	-.0010		
16	LAB35	1	.0160	.0120	.01300	.6667E-05
		2	.0140	.0100		
17	LAB41	1	-.0020	-.0010	-.00050	.3000E-05
		2	.0020	-.0010		
18	LAB13	1	-.0800	-.0830	-.08150	.1500E-04
		2	-.0770	-.0860		
19	LAB16	1	.0430	.0550	.05075	.4825E-04
		2	.0470	.0580		
20	LAB18	1	.0010	.0040	.00125	.4250E-05
		2	-.0010	.0010		
21	LAB21	1	.0020	.0020	.00225	.2500E-06
		2	.0030	.0020		
22	LAB22	1	.0030	.0020	.00350	.3000E-05
		2	.0030	.0060		
23	LAB25	1	.0140	.0030	.00125	.1569E-03
		2	-.0160	.0040		
24	LAB26	1	.0050	.0080	.00775	.8425E-04
		2	-.0020	.0200		
25	LAB33	1	-.0020	-.0080	-.00450	.7000E-05
		2	-.0030	-.0050		
26	LAB40	1	-.0040	.0170	.00325	.9025E-04
		2	-.0020	.0020		

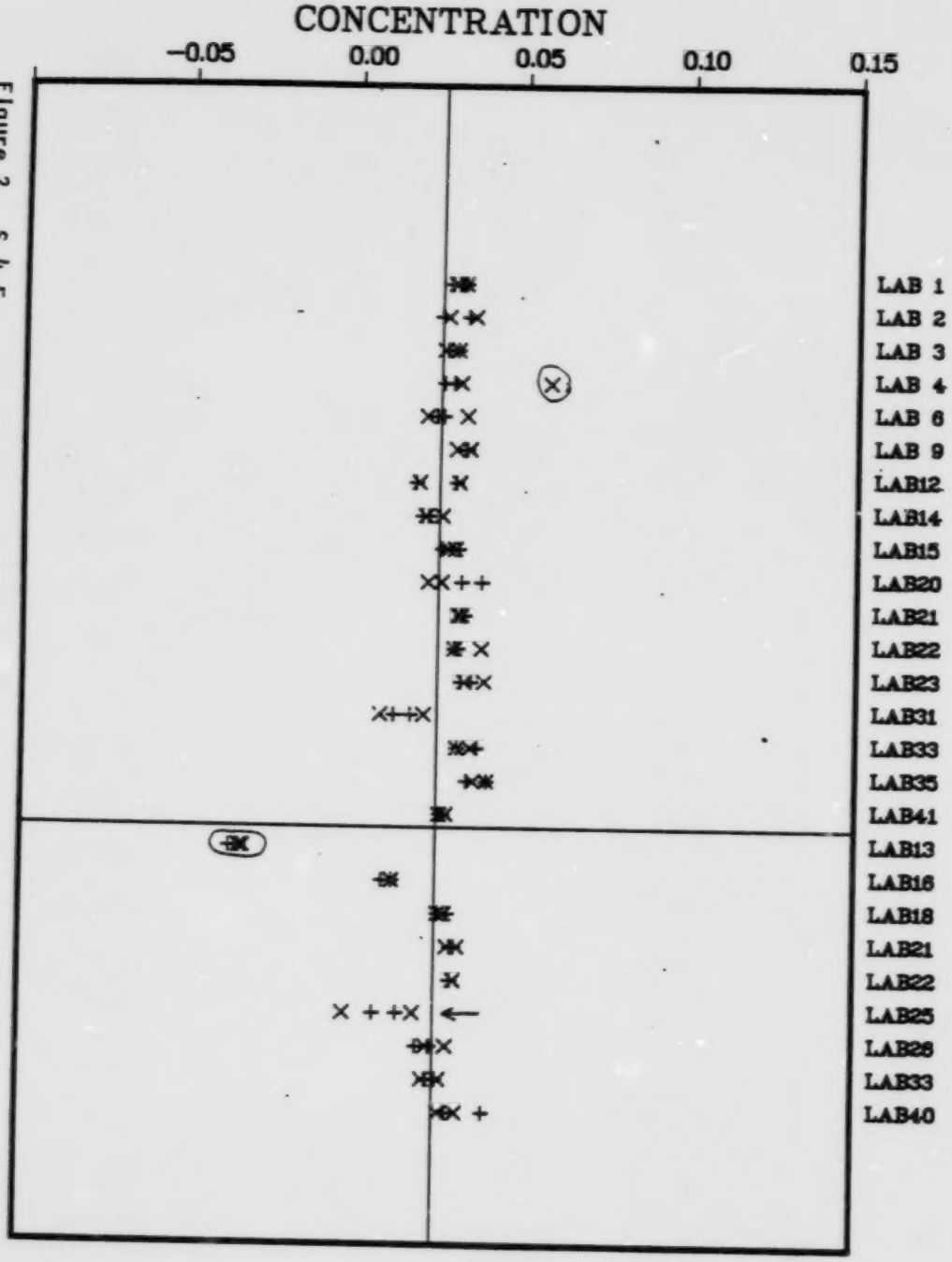


Figure 2. S 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD -- 1984 S

SAMPLE 83-1 LOSS ON FUSION CORRECTED

Table 2. S 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0320	.0290	.03025	.4250E-05
		2	.0320	.0280		
2	LAB 2	1	.0270	.0350	.03000	.2267E-04
		2	.0250	.0330		
3	LAB 3	1	.0300	.0260	.02825	.4250E-05
		2	.0300	.0270		
4	LAB 4	1	.0310	.0580	.03600	.2193E-03
		2	.0290	.0260		
5	LAB 6	1	.0330	.0210	.02600	.2600E-04
		2	.0260	.0240		
6	LAB 9	1	.0300	.0340	.03250	.3000E-05
		2	.0330	.0330		
7	LAB12	1	.0190	.0310	.02450	.4833E-04
		2	.0180	.0300		
8	LAB14	1	.0210	.0260	.02225	.6917E-05
		2	.0200	.0220		
9	LAB15	1	.0300	.0280	.02875	.4917E-05
		2	.0310	.0260		
10	LAB20	1	.0260	.0220	.02950	.4900E-04
		2	.0320	.0380		
11	LAB21	1	.0320	.0310	.03200	.6667E-06
		2	.0330	.0320		
12	LAB22	1	.0380	.0300	.03225	.1492E-04
		2	.0310	.0300		
13	LAB23	1	.0390	.0330	.03475	.9583E-05
		2	.0320	.0350		
14	LAB31	1	.0210	.0080	.01450	.3233E-04
		2	.0170	.0120		
15	LAB33	1	.0350	.0310	.03350	.9000E-05
		2	.0370	.0310		
16	LAB35	1	.0400	.0360	.03750	.9000E-05
		2	.0340	.0400		
17	LAB41	1	.0280	.0260	.02675	.9167E-06
		2	.0260	.0270		
18	LAB13	1	-.0340	-.0330	-.03450	.3000E-05
		2	-.0340	-.0370		
19	LAB16	1	.0120	.0120	.01125	.2250E-05
		2	.0120	.0090		
20	LAB18	1	.0280	.0260	.02725	.2250E-05
		2	.0260	.0290		
21	LAB21	1	.0320	.0290	.03050	.1667E-05
		2	.0300	.0310		
22	LAB22	1	.0310	.0310	.03050	.3333E-06
		2	.0300	.0300		
23	LAB25	1	.0190	-.0020	.00950	.8300E-04
		2	.0070	.0140		
24	LAB26	1	.0230	.0290	.02400	.1400E-04
		2	.0240	.0200		
25	LAB33	1	.0270	.0220	.02450	.5667E-05
		2	.0260	.0230		
26	LAB40	1	.0270	.0320	.03200	.3267E-04
		2	.0290	.0400		

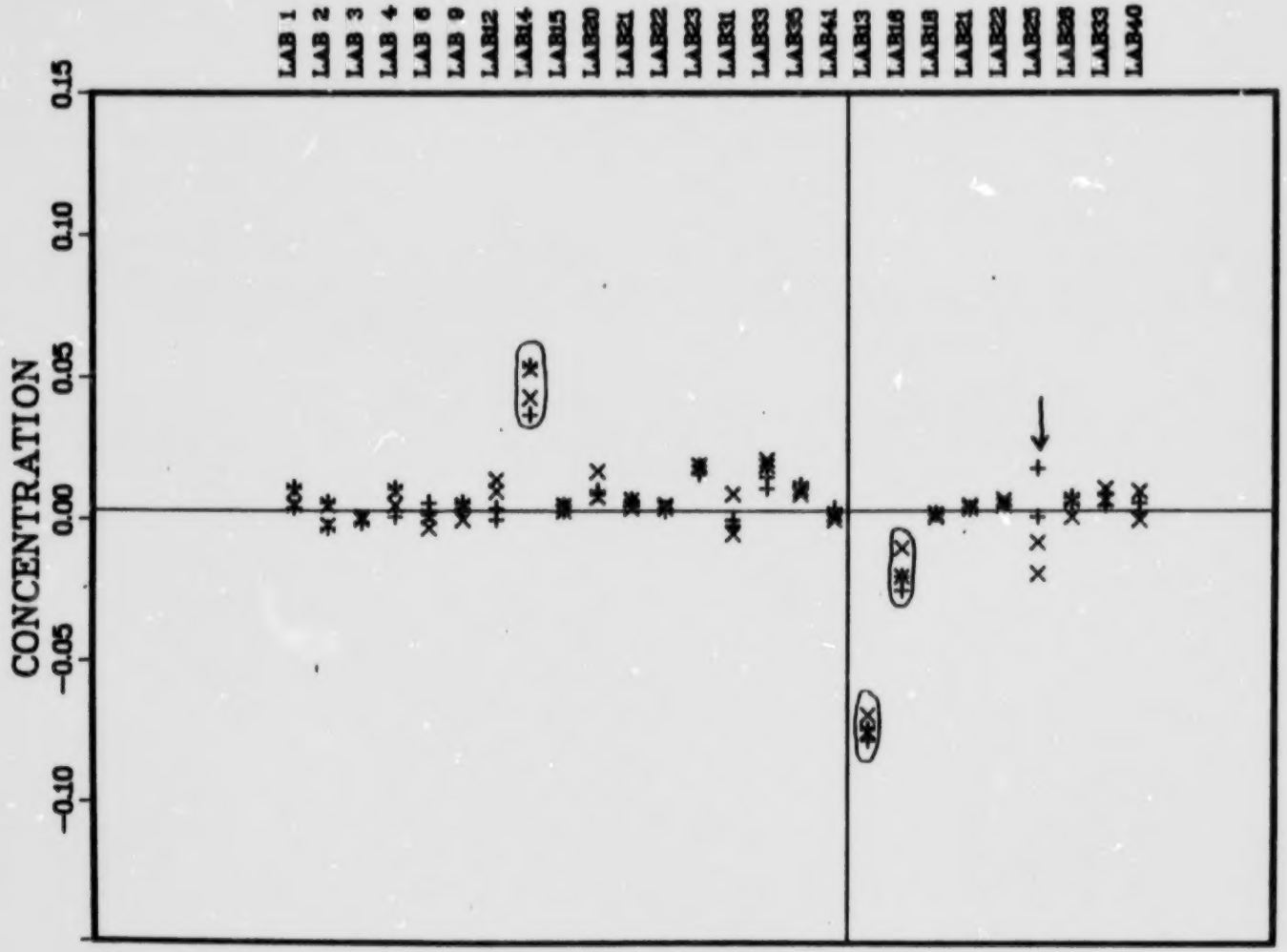


Figure 2. S 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 S

SAMPLE 83-9 LOSS ON FUSION CORRECTED

Table 2. S 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0100	.0050	.00750	.1233E-04
		2	.0040	.0110		
2	LAB 2	1	-.0020	.0050	.00150	.2167E-04
		2	-.0030	.0060		
3	LAB 3	1	.0010	0.0000	-.00025	.9167E-06
		2	-.0010	-.0010		
4	LAB 4	1	.0100	.0050	.00675	.2158E-04
		2	.0110	.0010		
5	LAB 6	1	-.0030	.0010	.00150	.1367E-04
		2	.0060	.0020		
6	LAB 9	1	0.0000	.0050	.00375	.6917E-05
		2	.0040	.0060		
7	LAB12	1	.0100	.0140	.00700	.3867E-04
		2	0.0000	.0040		
8	LAB14	1	.0430	.0530	.04675	.6692E-04
		2	.0370	.0540		
9	LAB15	1	.0050	.0030	.00400	.1333E-05
		2	.0050	.0030		
10	LAB20	1	.0170	.0080	.01100	.1667E-04
		2	.0090	.0100		
11	LAB21	1	.0070	.0040	.00575	.2250E-05
		2	.0070	.0050		
12	LAB22	1	.0040	.0050	.00400	.6667E-06
		2	.0030	.0040		
13	LAB23	1	.0190	.0190	.01825	.2250E-05
		2	.0190	.0160		
14	LAB31	1	.0090	-.0050	.00050	.3633E-04
		2	0.0000	-.0020		
15	LAB33	1	.0190	.0210	.01650	.1967E-04
		2	.0110	.0130		
16	LAB35	1	.0090	.0110	.01075	.1583E-05
		2	.0110	.0120		
17	LAB41	1	.0020	0.0000	.00200	.2667E-05
		2	.0020	.0040		
18	LAB13	1	-.0690	-.0750	-.07400	.1400E-04
		2	-.0780	-.0740		
19	LAB16	1	-.0100	-.0200	-.01875	.3958E-04
		2	-.0200	-.0250		
20	LAB18	1	.0010	.0020	.00175	.2500E-06
		2	.0020	.0020		
21	LAB21	1	.0040	.0050	.00425	.2500E-06
		2	.0040	.0040		
22	LAB22	1	.0070	.0050	.00550	.1000E-05
		2	.0050	.0050		
23	LAB25	1	-.0080	-.0190	-.00200	.2447E-03
		2	.0010	.0180		
24	LAB26	1	.0010	.0070	.00550	.9667E-05
		2	.0060	.0080		
25	LAB33	1	.0110	.0070	.00800	.6667E-05
		2	.0090	.0050		
26	LAB40	1	0.0000	.0100	.00475	.1825E-04
		2	.0030	.0060		

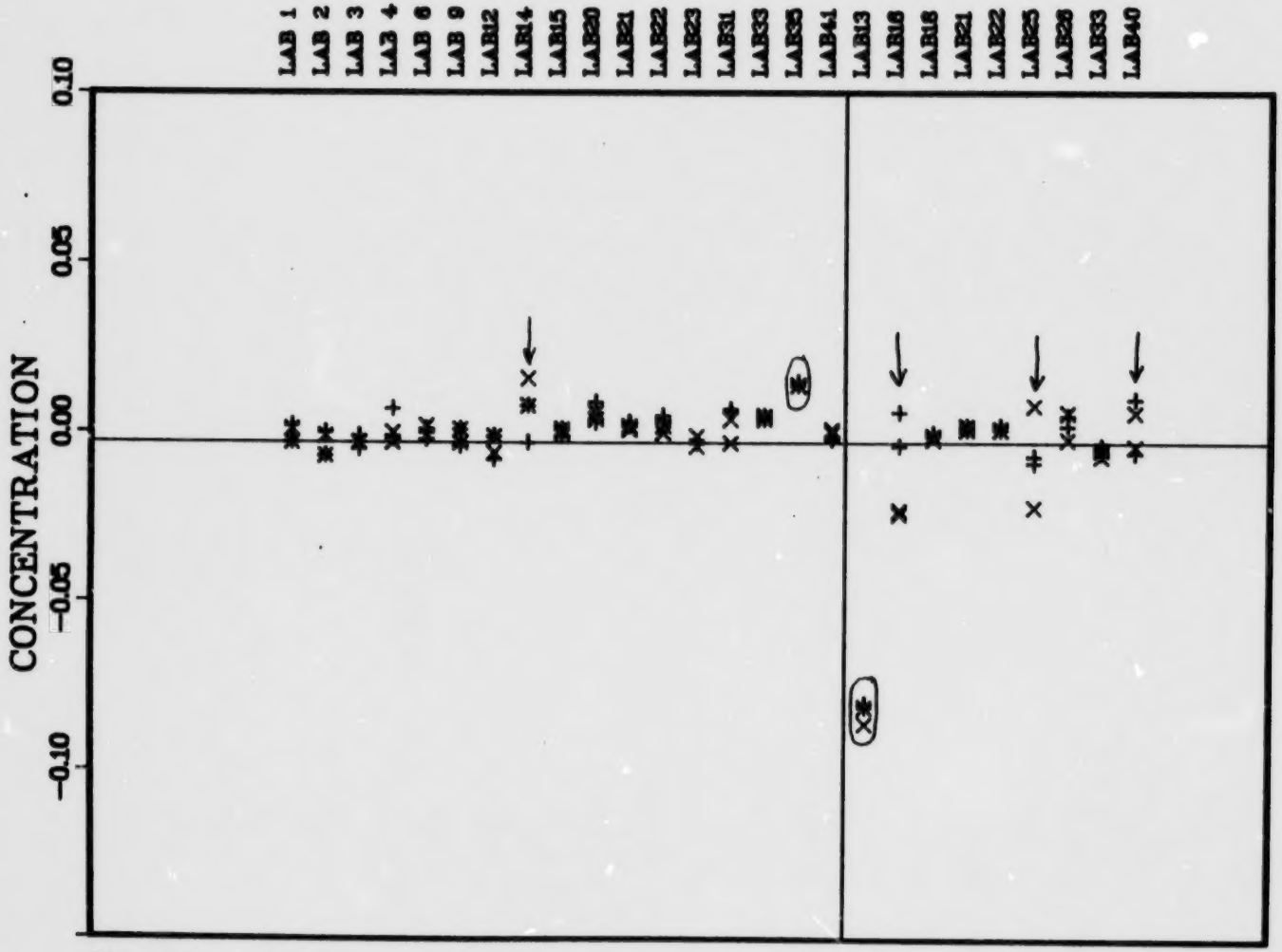


Figure 2. S 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 S

SAMPLE: 83-16 LOSS ON FUSION CORRECTED

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0010	-.0030	-.00075	.6917E-05
		2	.0020	-.0030		
2	LAB 2	1	-.0070	-.0010	-.00375	.1425E-04
		2	-.0070	0.0000		
3	LAB 3	1	-.0030	-.0030	-.00300	.2667E-05
		2	-.0010	-.0050		
4	LAB 4	1	0.0000	-.0030	.00050	.2033E-04
		2	.0070	-.0020		
5	LAB 6	1	-.0010	.0020	0.00000	.3333E-05
		2	.0010	-.0020		
6	LAB 9	1	-.0030	.0010	-.00125	.6917E-05
		2	-.0040	.0010		
7	LAB12	1	-.0060	-.0010	-.00400	.1267E-04
		2	-.0080	-.0010		
8	LAB14	1	.0080	.0160	.00725	.6092E-04
		2	-.0030	.0080		
9	LAB15	1	.0010	0.0000	.00025	.9167E-06
		2	.0010	-.0010		
10	LAB20	1	.0040	.0060	.00550	.7000E-05
		2	.0030	.0090		
11	LAB21	1	.0020	.0010	.00200	.6667E-06
		2	.0020	.0030		
12	LAB22	1	0.0000	.0020	.00250	.4333E-05
		2	.0030	.0050		
13	LAB23	1	-.0040	-.0010	-.00275	.1583E-05
		2	-.0030	-.0030		
14	LAB31	1	-.0030	.0040	.00350	.2033E-04
		2	.0070	.0060		
15	LAB33	1	.0050	.0040	.00450	.3333E-06
		2	.0040	.0050		
16	LAB35	1	.0140	.0140	.01425	.2500E-06
		2	.0150	.0140		
17	LAB41	1	.0010	0.0000	-.00050	.1667E-05
		2	-.0010	-.0020		
18	LAB13	1	-.0810	-.0860	-.08200	.7333E-05
		2	-.0810	-.0800		
19	LAB16	1	-.0240	-.0230	-.01125	.2169E-03
		2	.0060	-.0040		
20	LAB18	1	-.0020	-.0010	-.00100	.6667E-06
		2	0.0000	-.0010		
21	LAB21	1	.0010	.0020	.00150	.3333E-06
		2	.0010	.0020		
22	LAB22	1	.0010	.0010	.00125	.2500E-06
		2	.0010	.0020		
23	LAB25	1	.0080	-.0220	-.00750	.1510E-03
		2	-.0070	-.0090		
24	LAB26	1	-.0020	.0060	.00275	.1292E-04
		2	.0050	.0020		
25	LAB33	1	-.0050	-.0070	-.00550	.1667E-05
		2	-.0040	-.0060		
26	LAB40	1	-.0040	.0060	.00150	.5967E-04
		2	-.0060	.0100		

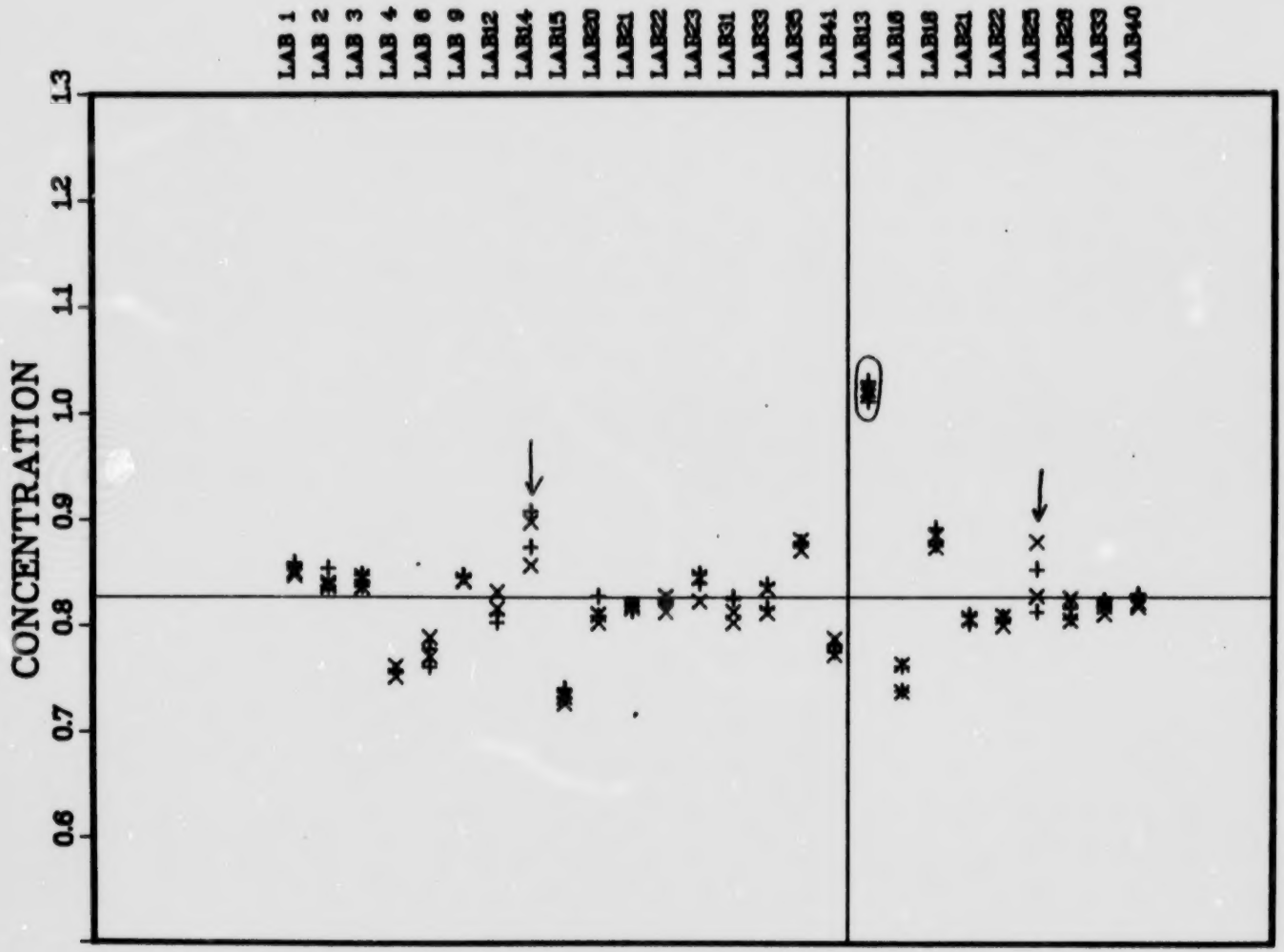


Figure 2. S 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 S

SAMPLE: 83–17 LOSS ON FUSION CORRECTED

Table 2. S /.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 S
SAMPLE: 83-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.8470	.8510	.85250	.2500E-04
		2	.8530	.8590		
2	LAB 2	1	.8400	.8370	.84200	.6600E-04
		2	.8540	.8370		
3	LAB 3	1	.8360	.8460	.84175	.3758E-04
		2	.8480	.8370		
4	LAB 4	1	.7520	.7620	.75675	.1692E-04
		2	.7560	.7570		
5	LAB 6	1	.7890	.7710	.77475	.1389E-03
		2	.7610	.7780		
6	LAB 9	1	.8430	.8420	.84450	.5667E-05
		2	.8460	.8470		
7	LAB12	1	.8160	.8320	.81550	.1497E-03
		2	.8030	.8110		
8	LAB14	1	.8570	.8980	.88425	.5336E-03
		2	.8740	.9080		
9	LAB15	1	.7270	.7330	.73325	.3358E-04
		2	.7320	.7410		
10	LAB20	1	.8110	.8030	.81275	.1149E-03
		2	.8280	.8090		
11	LAB21	1	.8170	.8200	.81750	.7000E-05
		2	.8190	.8140		
12	LAB22	1	.8130	.8280	.82150	.4033E-04
		2	.8210	.8240		
13	LAB23	1	.8460	.8230	.83950	.1350E-03
		2	.8490	.8400		
14	LAB31	1	.8130	.8030	.81700	.1253E-03
		2	.8250	.8270		
15	LAB33	1	.8120	.8350	.82550	.1817E-03
		2	.8160	.8390		
16	LAB35	1	.8810	.8710	.87675	.1892E-04
		2	.8790	.8760		
17	LAB41	1	.7880	.7730	.77975	.4425E-04
		2	.7820	.7760		
18	LAB13	1	1.0170	1.0220	1.02000	.6467E-04
		2	1.0110	1.0300		
19	LAB16	1	.7640	.7380	.75075	.2009E-03
		2	.7620	.7390		
20	LAB18	1	.8850	.8740	.88175	.6958E-04
		2	.8920	.8760		
21	LAB21	1	.8070	.8060	.80625	.1092E-04
		2	.8100	.8020		
22	LAB22	1	.8090	.8000	.80575	.1625E-04
		2	.8080	.8060		
23	LAB25	1	.8280	.8790	.84325	.8403E-03
		2	.8530	.8130		
24	LAB26	1	.8260	.8050	.81375	.9425E-04
		2	.8170	.8070		
25	LAB33	1	.8110	.8190	.81850	.2967E-04
		2	.8240	.8200		
26	LAB40	1	.8180	.8220	.82475	.3292E-04
		2	.8290	.8300		

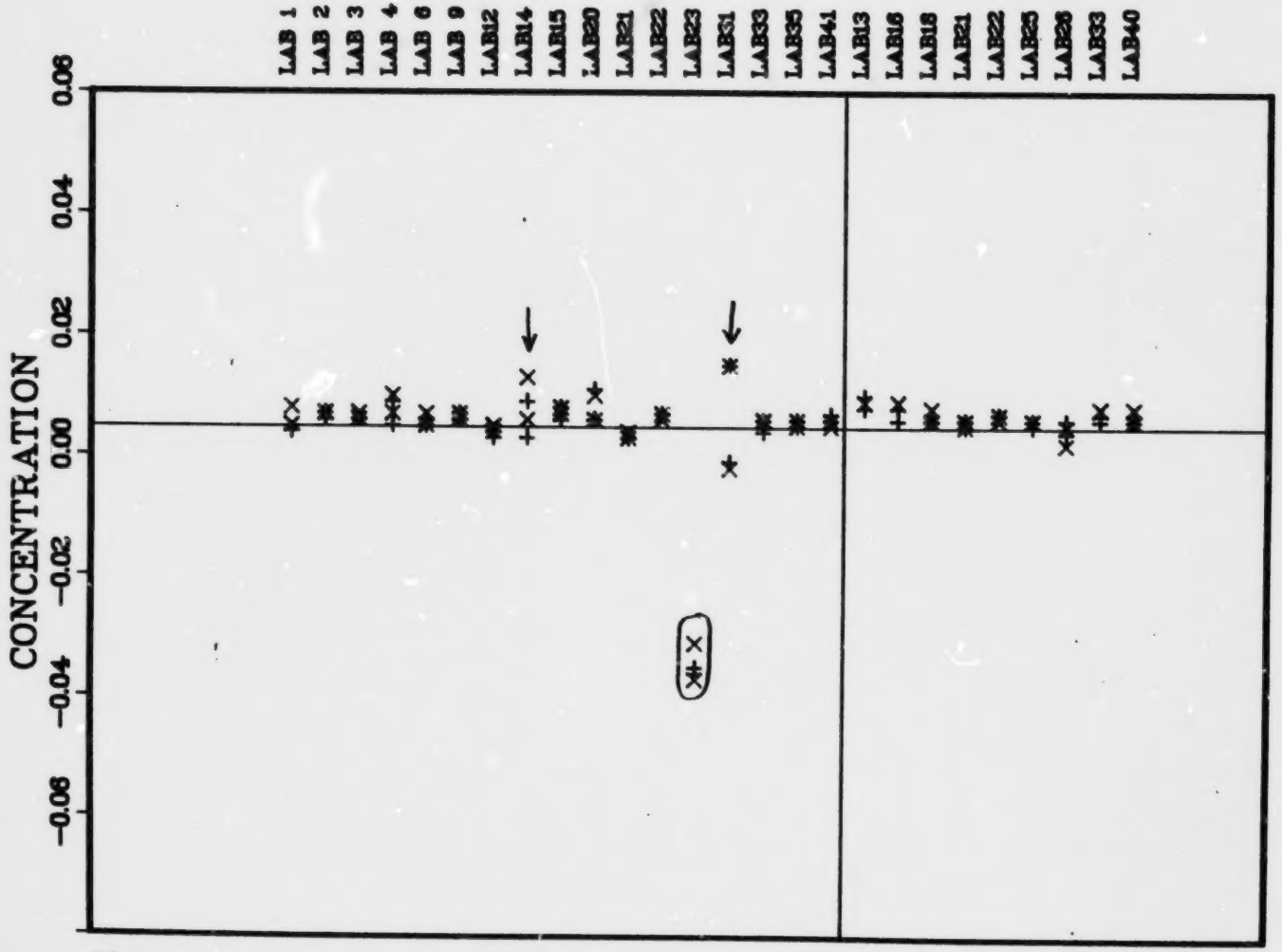


Figure 2. P 1.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE: 77-8 LOSS CORRECTED ALPHA

Table 2. P I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0080	.0050	.00525	.3583E-05
		2	.0040	.0040		
2	LAB 2	1	.0070	.0070	.00675	.2500E-06
		2	.0070	.0060		
3	LAB 3	1	.0070	.0060	.00625	.2500E-06
		2	.0060	.0060		
4	LAB 4	1	.0070	.0100	.00775	.4917E-05
		2	.0050	.0090		
5	LAB 6	1	.0050	.0070	.00575	.9167E-06
		2	.0060	.0050		
6	LAB 9	1	.0070	.0060	.00650	.3333E-06
		2	.0060	.0070		
7	LAB12	1	.0040	.0050	.00400	.6667E-06
		2	.0040	.0030		
8	LAB14	1	.0060	.0130	.00775	.1825E-04
		2	.0030	.0090		
9	LAB15	1	.0070	.0080	.00725	.9167E-06
		2	.0080	.0060		
10	LAB20	1	.0060	.0100	.00825	.6917E-05
		2	.0060	.0110		
11	LAB21	1	.0030	.0040	.00325	.2500E-06
		2	.0030	.0030		
12	LAB22	1	.0070	.0060	.00675	.2500E-06
		2	.0070	.0070		
13	LAB23	1	-.0310	-.0370	-.03475	.6917E-05
		2	-.0350	-.0360		
14	LAB31	1	.0150	-.0020	.00675	.9092E-04
		2	-.0010	.0150		
15	LAB33	1	.0060	.0060	.00550	.1000E-05
		2	.0060	.0040		
16	LAB35	1	.0050	.0060	.00550	.3333E-06
		2	.0050	.0060		
17	LAB41	1	.0050	.0060	.00600	.6667E-06
		2	.0060	.0070		
18	LAB13	1	.0090	.0090	.00900	.6667E-06
		2	.0080	.0100		
19	LAB16	1	.0090	.0090	.00800	.2000E-05
		2	.0080	.0060		
20	LAB18	1	.0080	.0060	.00650	.1000E-05
		2	.0060	.0060		
21	LAB21	1	.0060	.0050	.00550	.3333E-06
		2	.0060	.0050		
22	LAB22	1	.0070	.0060	.00675	.2500E-06
		2	.0070	.0070		
23	LAB25	1	.0060	.0060	.00575	.2500E-06
		2	.0050	.0060		
24	LAB26	1	.0050	.0020	.00425	.2917E-05
		2	.0060	.0040		
25	LAB33	1	.0080	.0080	.00725	.9167E-06
		2	.0060	.0070		
26	LAB40	1	.0060	.0080	.00675	.9167E-06
		2	.0060	.0070		

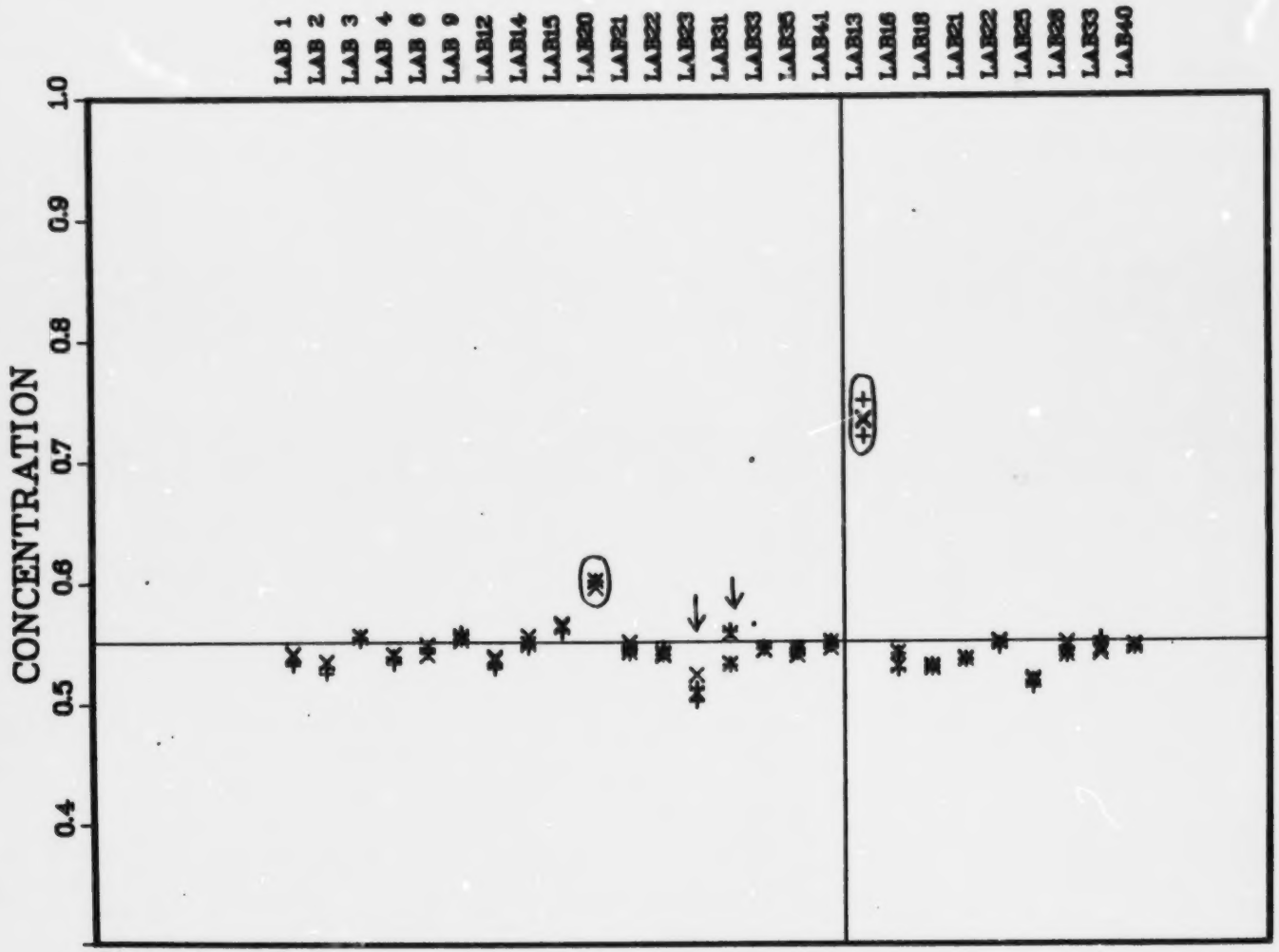


Figure 2. P 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE 79-4 LOSS CORRECTED ALPHA

Table 2. P 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.5420	.5410	.53800	.1800E-04
		2	.5360	.5330		
2	LAB 2	1	.5350	.5350	.53175	.1825E-04
		2	.5260	.5310		
3	LAB 3	1	.5560	.5560	.55500	.2000E-05
		2	.5550	.5530		
4	LAB 4	1	.5410	.5410	.53875	.1092E-04
		2	.5390	.5340		
5	LAB 6	1	.5410	.5490	.54475	.1225E-04
		2	.5430	.5460		
6	LAB 9	1	.5530	.5560	.55525	.4917E-05
		2	.5540	.5580		
7	LAB12	1	.5390	.5370	.53500	.1533E-04
		2	.5340	.5300		
8	LAB14	1	.5500	.5560	.55075	.1425E-04
		2	.5470	.5500		
9	LAB15	1	.5660	.5640	.56275	.7583E-05
		2	.5610	.5600		
10	LAB20	1	.6020	.5960	.60000	.7333E-05
		2	.6010	.6010		
11	LAB21	1	.5430	.5510	.54525	.1625E-04
		2	.5420	.5450		
12	LAB22	1	.5400	.5420	.54225	.6917E-05
		2	.5410	.5460		
13	LAB23	1	.5240	.5090	.51175	.8425E-04
		2	.5120	.5020		
14	LAB31	1	.5580	.5330	.54575	.2349E-03
		2	.5320	.5600		
15	LAB33	1	.5440	.5450	.54525	.9167E-06
		2	.5460	.5460		
16	LAB35	1	.5400	.5450	.54300	.6000E-05
		2	.5420	.5450		
17	LAB41	1	.5460	.5510	.54900	.6000E-05
		2	.5480	.5510		
18	LAB13	1	.7350	.7330	.73450	.1510E-03
		2	.7200	.7500		
19	LAB16	1	.5420	.5310	.53550	.4967E-04
		2	.5280	.5410		
20	LAB18	1	.5310	.5290	.53000	.1333E-05
		2	.5310	.5290		
21	LAB21	1	.5370	.5360	.53625	.2500E-06
		2	.5360	.5360		
22	LAB22	1	.5500	.5510	.54875	.4917E-05
		2	.5460	.5480		
23	LAB25	1	.5200	.5180	.51725	.8917E-05
		2	.5130	.5180		
24	LAB26	1	.5400	.5500	.54300	.2467E-04
		2	.5430	.5390		
25	LAB33	1	.5410	.5450	.54675	.2558E-04
		2	.5530	.5480		
26	LAB40	1	.5460	.5480	.54650	.1000E-05
		2	.5460	.5460		

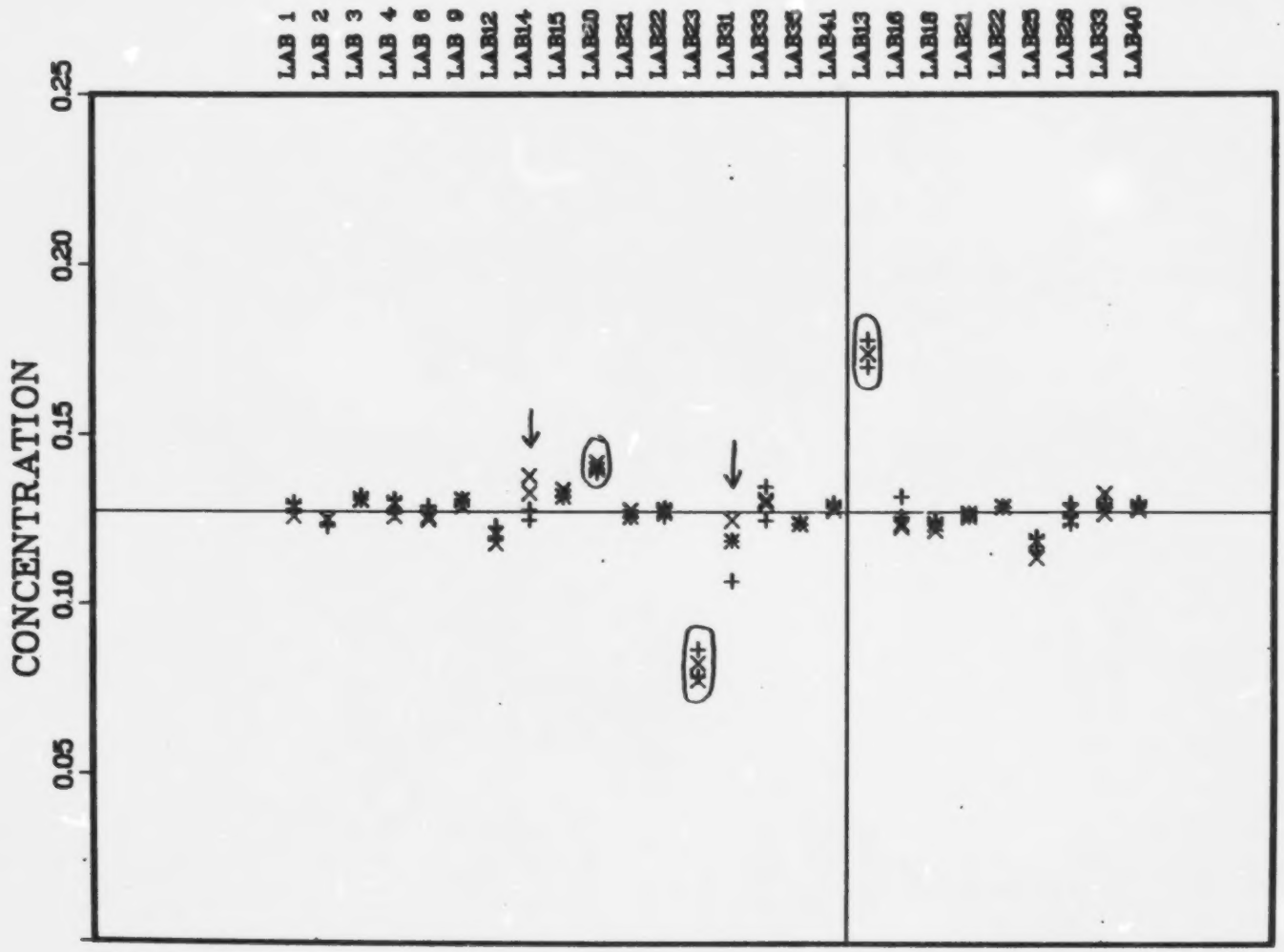


Figure 2. P 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE: 79–13 LOSS CORRECTED ALPHA

Table 2. P 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1260	.1290	.12825	.2917E-05
		2	.1280	.1300		
2	LAB 2	1	.1250	.1250	.12425	.9167E-06
		2	.1240	.1230		
3	LAB 3	1	.1310	.1310	.13125	.2500E-06
		2	.1320	.1310		
4	LAB 4	1	.1260	.1300	.12850	.5667E-05
		2	.1310	.1270		
5	LAB 6	1	.1250	.1260	.12725	.4250E-05
		2	.1290	.1290		
6	LAB 9	1	.1310	.1290	.13025	.9167E-06
		2	.1310	.1300		
7	LAB12	1	.1210	.1180	.12050	.4333E-05
		2	.1200	.1230		
8	LAB14	1	.1330	.1380	.13100	.3267E-04
		2	.1250	.1280		
9	LAB15	1	.1340	.1320	.13250	.1000E-05
		2	.1320	.1320		
10	LAB20	1	.1400	.1420	.14025	.1583E-05
		2	.1390	.1400		
11	LAB21	1	.1260	.1280	.12650	.1000E-05
		2	.1260	.1260		
12	LAB22	1	.1270	.1280	.12750	.1667E-05
		2	.1260	.1290		
13	LAB23	1	.0830	.0780	.08175	.1692E-04
		2	.0870	.0790		
14	LAB31	1	.1190	.1250	.11750	.5700E-04
		2	.1190	.1070		
15	LAB33	1	.1310	.1300	.13025	.1692E-04
		2	.1250	.1350		
16	LAB35	1	.1240	.1240	.12400	0.
		2	.1240	.1240		
17	LAB41	1	.1280	.1290	.12900	.6667E-06
		2	.1290	.1300		
18	LAB13	1	.1740	.1740	.17400	.1067E-04
		2	.1700	.1780		
19	LAB16	1	.1230	.1240	.12625	.1625E-04
		2	.1320	.1260		
20	LAB18	1	.1240	.1220	.12375	.1583E-05
		2	.1240	.1250		
21	LAB21	1	.1260	.1270	.12650	.3333E-06
		2	.1260	.1270		
22	LAB22	1	.1290	.1290	.12900	0.
		2	.1290	.1290		
23	LAB25	1	.1190	.1140	.11725	.7583E-05
		2	.1200	.1160		
24	LAB26	1	.1280	.1250	.12675	.7583E-05
		2	.1300	.1240		
25	LAB33	1	.1270	.1330	.12975	.6250E-05
		2	.1290	.1300		
26	LAB40	1	.1290	.1280	.12900	.6667E-06
		2	.1300	.1290		

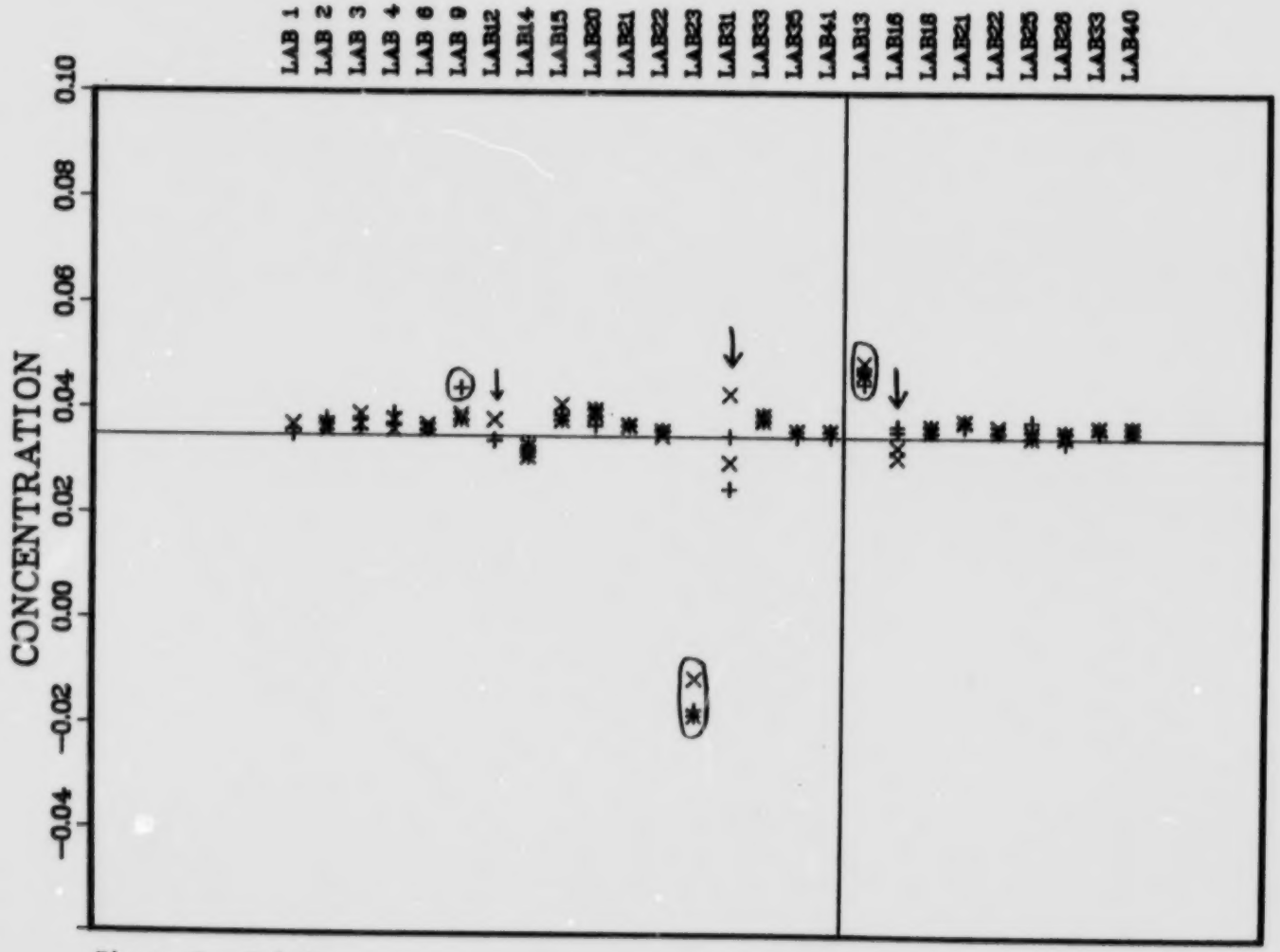


Figure 2. P 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE 83-1 LOSS CORRECTED ALPHA

Table 2. P 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 83-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0370	.0370	.03625	.9167E-06
		2	.0360	.0350		
2	LAB 2	1	.0360	.0370	.03700	.6667E-06
		2	.0370	.0380		
3	LAB 3	1	.0390	.0370	.03750	.1667E-05
		2	.0380	.0360		
4	LAB 4	1	.0380	.0360	.03750	.1667E-05
		2	.0370	.0390		
5	LAB 6	1	.0370	.0360	.03625	.2500E-06
		2	.0360	.0360		
6	LAB 9	1	.0380	.0390	.03975	.8250E-05
		2	.0440	.0380		
7	LAB12	1	.0380	.0380	.03600	.5333E-05
		2	.0340	.0340		
8	LAB14	1	.0330	.0310	.03200	.1333E-05
		2	.0330	.0310		
9	LAB15	1	.0380	.0410	.03900	.2000E-05
		2	.0380	.0390		
10	LAB20	1	.0400	.0390	.03900	.2000E-05
		2	.0370	.0400		
11	LAB21	1	.0370	.0370	.03700	0.
		2	.0370	.0370		
12	LAB22	1	.0360	.0350	.03575	.2500E-06
		2	.0360	.0360		
13	LAB23	1	-.0110	-.0180	-.01600	.1133E-04
		2	-.0170	-.0180		
14	LAB31	1	.0430	.0300	.03325	.5892E-04
		2	.0250	.0350		
15	LAB33	1	.0380	.0390	.03850	.3333E-06
		2	.0390	.0380		
16	LAB35	1	.0360	.0360	.03575	.2500E-06
		2	.0350	.0360		
17	LAB41	1	.0360	.0360	.03575	.2500E-06
		2	.0350	.0360		
18	LAB13	1	.0470	.0490	.04700	.2667E-05
		2	.0450	.0470		
19	LAB16	1	.0330	.0310	.03425	.7583E-05
		2	.0360	.0370		
20	LAB18	1	.0370	.0360	.03650	.3333E-06
		2	.0370	.0360		
21	LAB21	1	.0380	.0380	.03775	.2500E-06
		2	.0380	.0370		
22	LAB22	1	.0360	.0370	.03625	.2500E-06
		2	.0360	.0360		
23	LAB25	1	.0350	.0360	.03600	.2000E-05
		2	.0350	.0380		
24	LAB26	1	.0350	.0360	.03525	.9167E-06
		2	.0340	.0360		
25	LAB33	1	.0370	.0370	.03675	.2500E-06
		2	.0370	.0360		
26	LAB40	1	.0370	.0360	.03650	.3333E-06
		2	.0370	.0360		

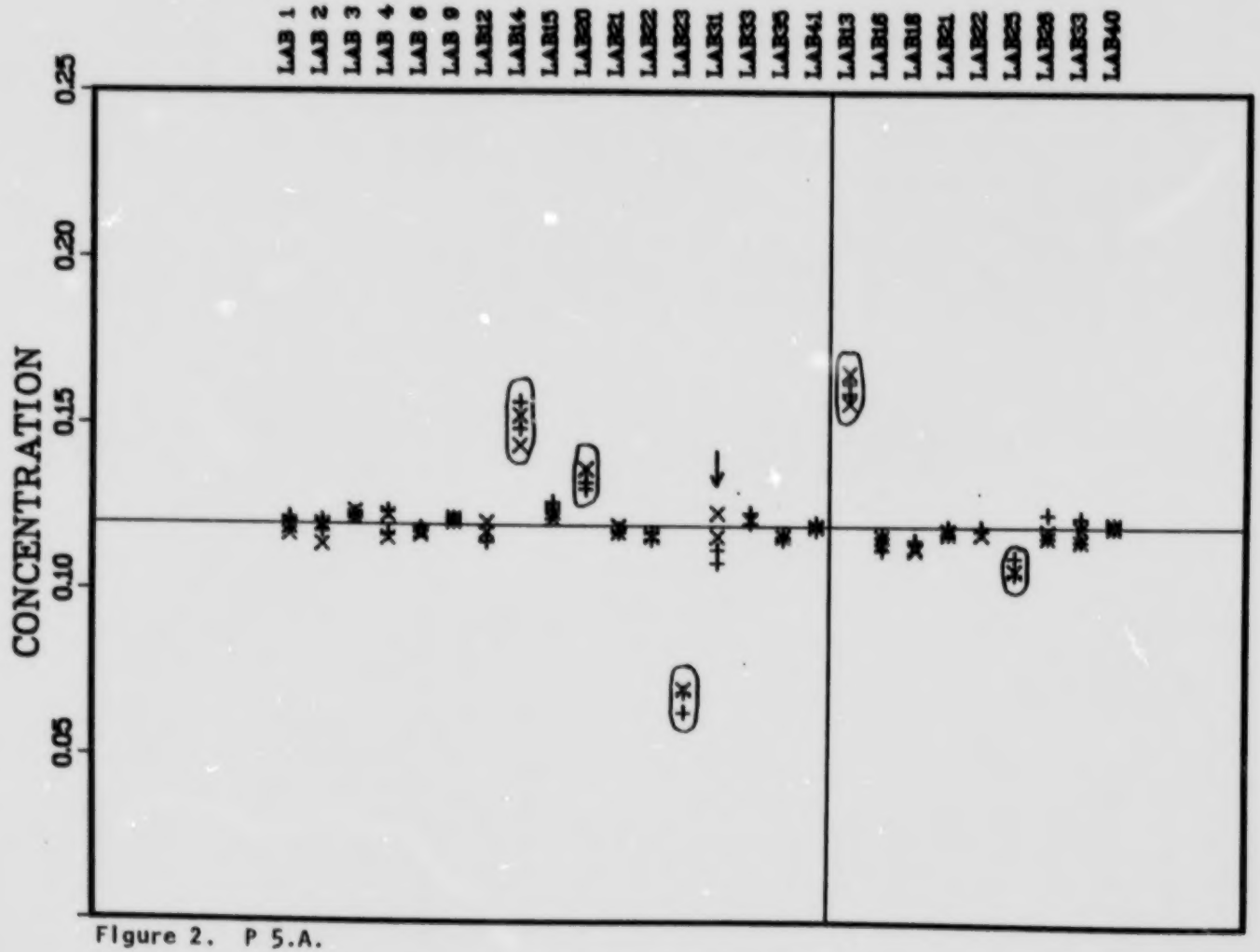


Figure 2. P 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P

SAMPLE: 83-9 LOSS CORRECTED ALPHA

Table 2. P 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1190	.1170	.11975	.4917E-05
		2	.1220	.1210		
2	LAB 2	1	.1200	.1140	.11825	.9583E-05
		2	.1210	.1180		
3	LAB 3	1	.1240	.1220	.12275	.9167E-06
		2	.1230	.1220		
4	LAB 4	1	.1160	.1230	.12000	.1667E-04
		2	.1170	.1240		
5	LAB 6	1	.1170	.1180	.11800	.6667E-06
		2	.1190	.1180		
6	LAB 9	1	.1210	.1220	.12150	.3333E-06
		2	.1220	.1210		
7	LAB12	1	.1210	.1180	.11725	.8250E-05
		2	.1150	.1150		
8	LAB14	1	.1530	.1440	.15075	.3092E-04
		2	.1490	.1570		
9	LAB15	1	.1220	.1240	.12450	.4333E-05
		2	.1270	.1250		
10	LAB20	1	.1370	.1370	.13450	.9000E-05
		2	.1330	.1310		
11	LAB21	1	.1200	.1180	.11875	.9167E-06
		2	.1190	.1180		
12	LAB22	1	.1170	.1170	.11700	.6667E-06
		2	.1160	.1180		
13	LAB23	1	.0710	.0710	.06900	.1133E-04
		2	.0700	.0640		
14	LAB31	1	.1170	.1240	.11575	.4092E-04
		2	.1090	.1130		
15	LAB33	1	.1220	.1220	.12225	.1583E-05
		2	.1210	.1240		
16	LAB35	1	.1170	.1170	.11675	.2500E-06
		2	.1160	.1170		
17	LAB41	1	.1200	.1200	.12000	.6667E-06
		2	.1190	.1210		
18	LAB13	1	.1570	.1660	.16150	.1500E-04
		2	.1600	.1630		
19	LAB16	1	.1150	.1170	.11550	.3667E-05
		2	.1170	.1130		
20	LAB18	1	.1140	.1130	.11450	.1667E-05
		2	.1160	.1150		
21	LAB21	1	.1180	.1190	.11875	.9167E-06
		2	.1200	.1180		
22	LAB22	1	.1180	.1180	.11875	.9167E-06
		2	.1190	.1200		
23	LAB25	1	.1070	.1070	.10775	.4917E-05
		2	.1060	.1110		
24	LAB26	1	.1190	.1170	.11925	.1092E-04
		2	.1240	.1170		
25	LAB33	1	.1160	.1200	.11875	.1158E-04
		2	.1160	.1230		
26	LAB40	1	.1210	.1200	.12050	.3333E-06
		2	.1210	.1200		

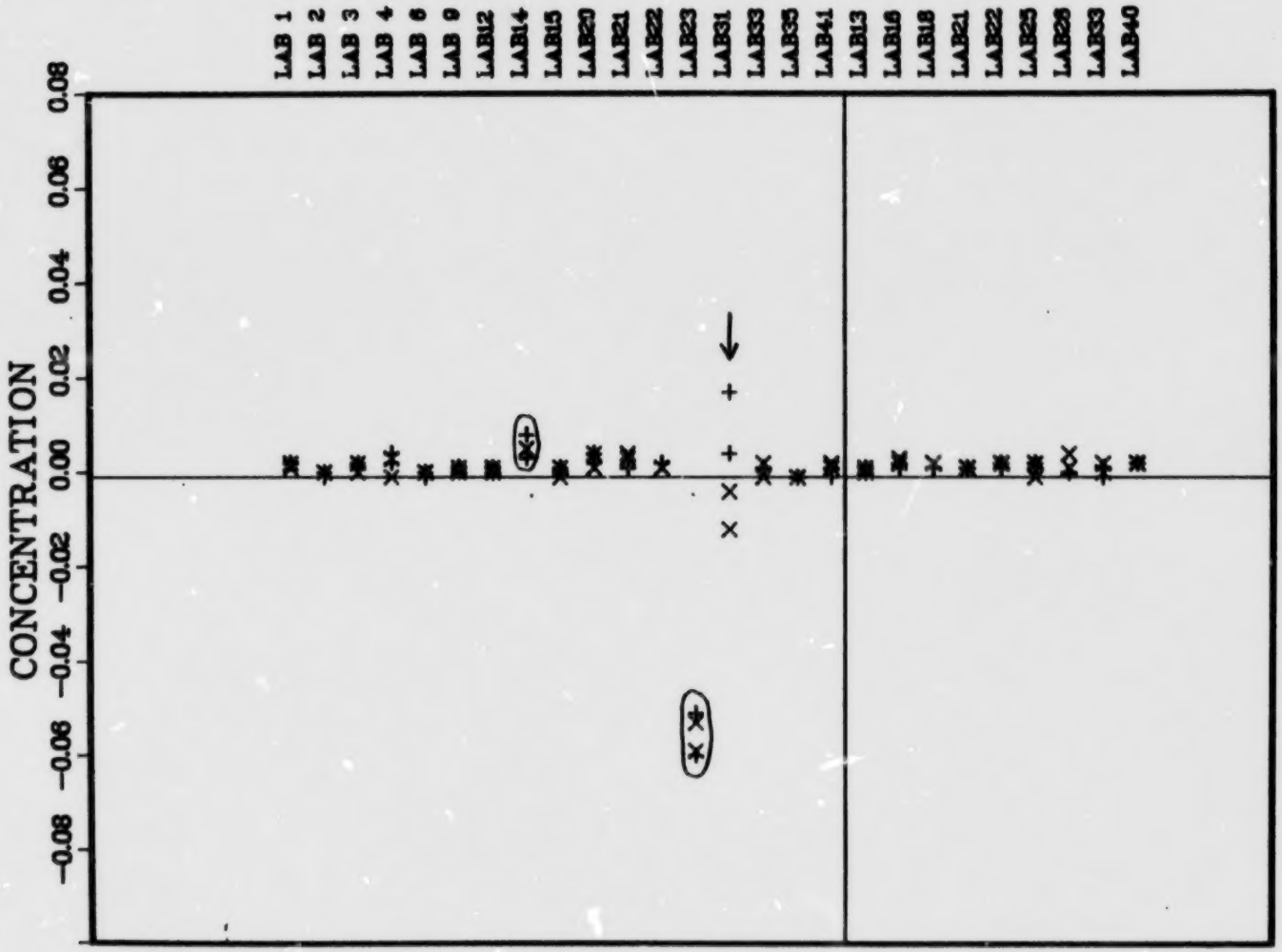


Figure 2. P 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE: 83-16 LOSS CORRECTED ALPHA

Table 2. P 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0020	.0010	.00175	.2500E-06
		2	.0020	.0020		
2	LAB 2	1	0.0000	0.0000	-.00025	.2500E-06
		2	0.0000	-.0010		
3	LAB 3	1	.0020	0.0000	.00125	.9167E-06
		2	.0020	.0010		
4	LAB 4	1	-.0010	.0030	.00200	.4667E-05
		2	.0020	.0040		
5	LAB 6	1	0.0000	0.0000	-.00025	.2500E-06
		2	0.0000	-.0010		
6	LAB 9	1	0.0000	.0010	.00050	.3333E-06
		2	0.0000	.0010		
7	LAB12	1	.0010	0.0000	.00050	.3333E-06
		2	.0010	0.0000		
8	LAB14	1	.0050	.0050	.00525	.4250E-05
		2	.0030	.0080		
9	LAB15	1	-.0010	.0010	.00025	.9167E-06
		2	.0010	0.0000		
10	LAB20	1	.0040	.0010	.00275	.2250E-05
		2	.0020	.0040		
11	LAB21	1	.0030	.0040	.00225	.2250E-05
		2	.0010	.0010		
12	LAB22	1	.0010	.0010	.00150	.3333E-06
		2	.0020	.0020		
13	LAB23	1	-.0530	-.0590	-.05575	.1958E-04
		2	-.0510	-.0600		
14	LAB31	1	-.0120	-.0040	.00125	.1529E-03
		2	.0170	.0040		
15	LAB33	1	-.0010	.0020	.00075	.1583E-05
		2	.0010	.0010		
16	LAB35	1	-.0010	-.0010	-.00100	0.
		2	-.0010	-.0010		
17	LAB41	1	.0010	.0020	.00075	.1583E-05
		2	-.0010	.0010		
18	LAB13	1	.0010	0.0000	.00050	.3333E-06
		2	.0010	0.0000		
19	LAB16	1	.0020	.0030	.00200	.6667E-06
		2	.0020	.0010		
20	LAB18	1	.0020	.0020	.00150	.3333E-06
		2	.0010	.0010		
21	LAB21	1	.0010	.0010	.00100	0.
		2	.0010	.0010		
22	LAB22	1	.0020	.0020	.00175	.2500E-06
		2	.0020	.0010		
23	LAB25	1	-.0010	.0020	.00100	.2000E-05
		2	.0010	.0020		
24	LAB26	1	.0040	.0010	.00125	.3583E-05
		2	0.0000	0.0000		
25	LAB33	1	0.0000	.0020	.00050	.1667E-05
		2	-.0010	.0010		
26	LAB40	1	.0020	.0020	.00200	0.
		2	.0020	.0020		

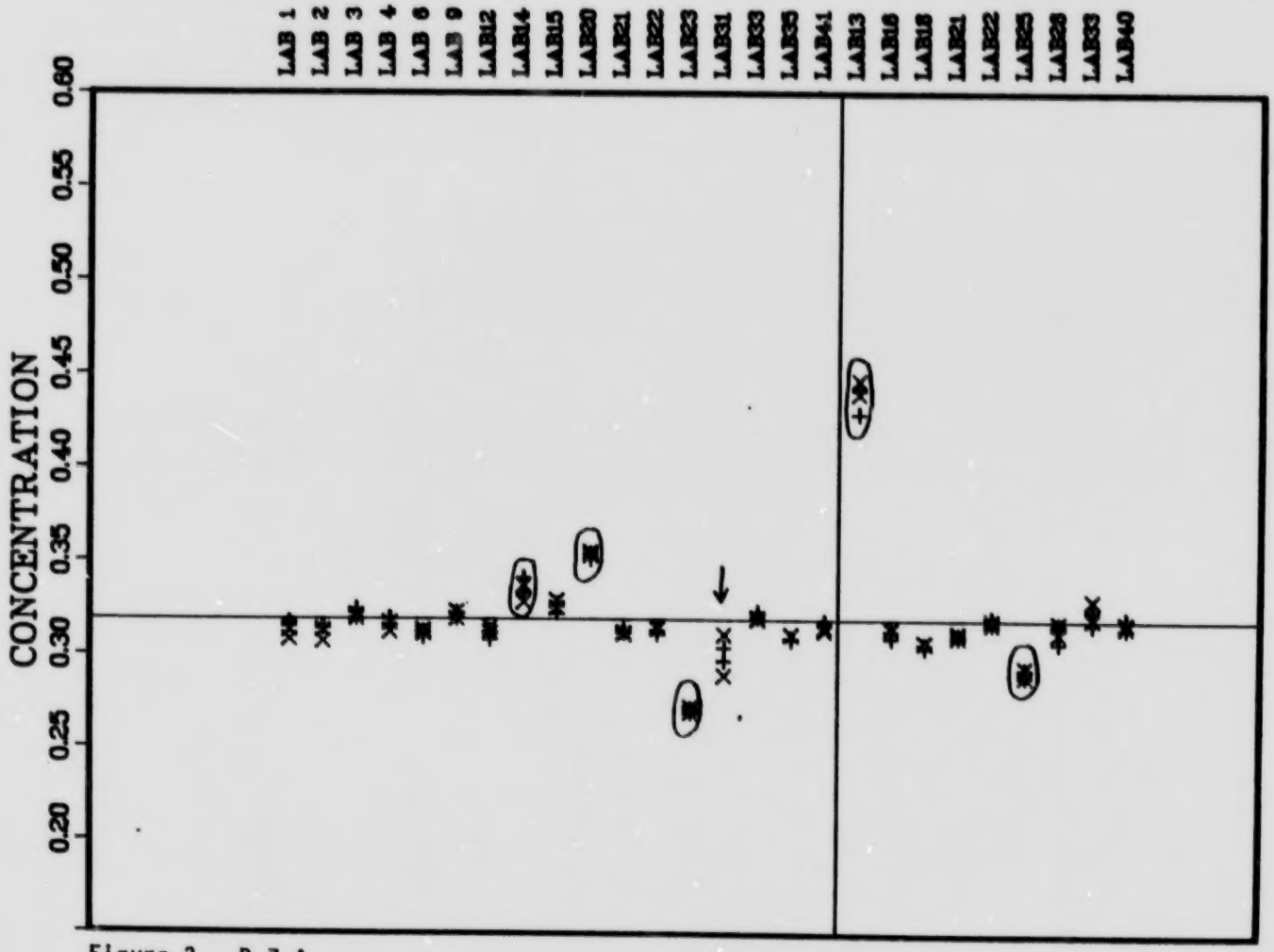


Figure 2. P 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE: 83-17 LOSS CORRECTED ALPHA

Table 2. P 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 83-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.3130	.3080	.31325	.1492E-04
		2	.3170	.3150		
2	LAB 2	1	.3130	.3070	.31225	.1292E-04
		2	.3140	.3150		
3	LAB 3	1	.3210	.3190	.32075	.5583E-05
		2	.3240	.3190		
4	LAB 4	1	.3120	.3170	.31600	.8667E-05
		2	.3190	.3160		
5	LAB 6	1	.3110	.3130	.31125	.2917E-05
		2	.3090	.3120		
6	LAB 9	1	.3230	.3190	.32075	.4250E-05
		2	.3190	.3220		
7	LA812	1	.3150	.3120	.31175	.8250E-05
		2	.3080	.3120		
8	LA814	1	.3280	.3370	.33475	.3092E-04
		2	.3330	.3410		
9	LA815	1	.3250	.3290	.32575	.8917E-05
		2	.3220	.3270		
10	LA820	1	.3550	.3530	.35325	.2917E-05
		2	.3510	.3540		
11	LA821	1	.3120	.3110	.31200	.6667E-06
		2	.3130	.3120		
12	LA822	1	.3140	.3150	.31325	.2917E-05
		2	.3110	.3130		
13	LA823	1	.2720	.2690	.27025	.2250E-05
		2	.2710	.2690		
14	LA831	1	.2890	.3110	.30025	.8892E-04
		2	.2970	.3040		
15	LA833	1	.3200	.3190	.32050	.3000E-05
		2	.3200	.3230		
16	LA835	1	.3110	.3110	.30975	.2250E-05
		2	.3080	.3090		
17	LA841	1	.3150	.3130	.31550	.4333E-05
		2	.3180	.3160		
18	LA813	1	.4400	.4470	.43950	.5767E-04
		2	.4290	.4420		
19	LA816	1	.3140	.3140	.31250	.5667E-05
		2	.3090	.3130		
20	LA818	1	.3070	.3070	.30600	.2000E-05
		2	.3040	.3060		
21	LA821	1	.3100	.3120	.31075	.9167E-06
		2	.3110	.3100		
22	LA822	1	.3190	.3170	.31825	.2250E-05
		2	.3170	.3200		
23	LA825	1	.2940	.2890	.29125	.6917E-05
		2	.2930	.2890		
24	LA826	1	.3180	.3120	.31350	.2567E-04
		2	.3170	.3070		
25	LA833	1	.3300	.3200	.32300	.3267E-04
		2	.3170	.3250		
26	LA840	1	.3180	.3160	.31725	.4917E-05
		2	.3150	.3200		

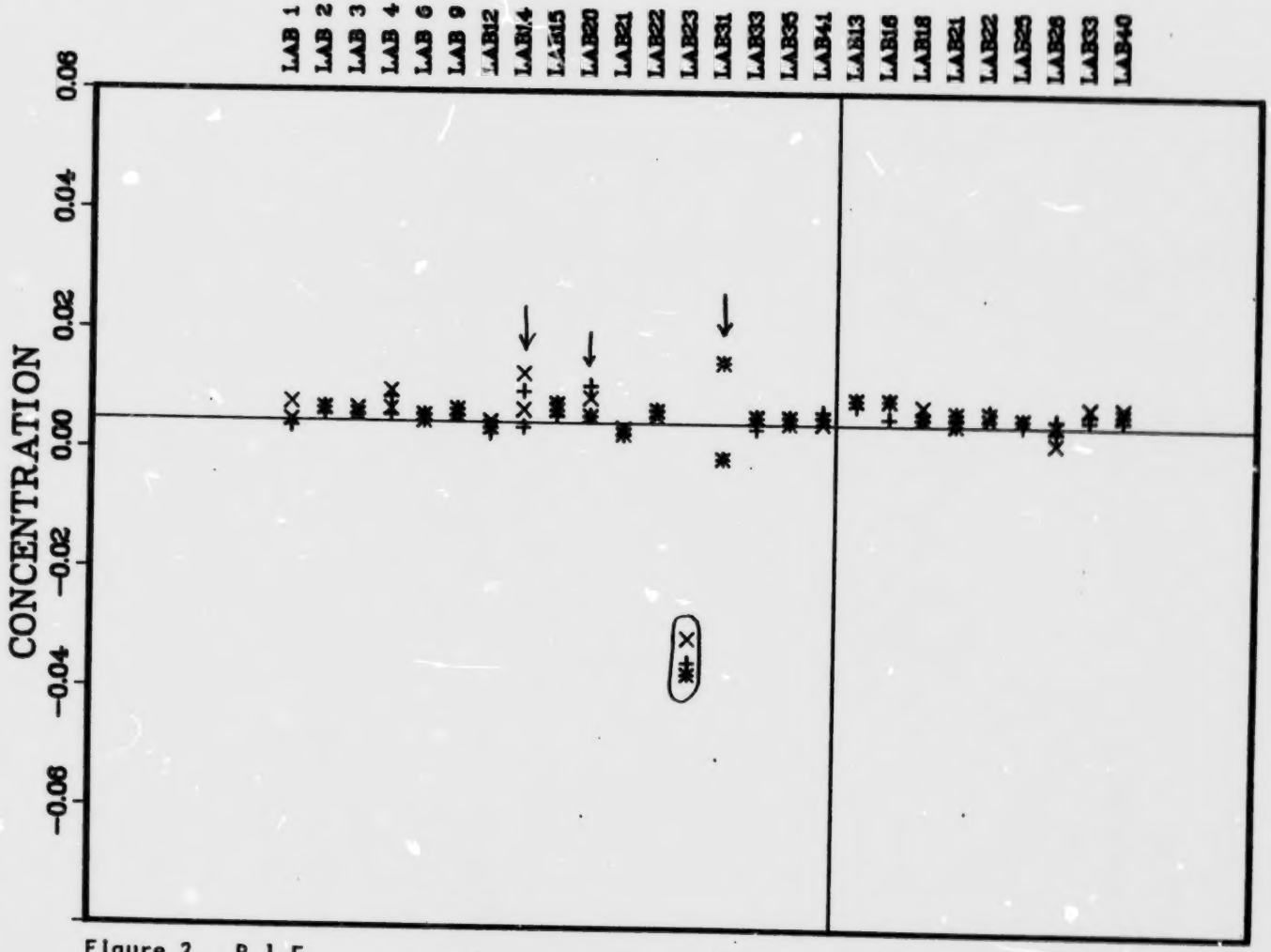


Figure 2. P I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE: 77-8 LOSS ON FUSION CORRECTED

Table 2. P I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 77-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0080	.0050	.00525	.3583E-05
		2	.0040	.0040		
2	LAB 2	1	.0070	.0070	.00675	.2500E-06
		2	.0070	.0060		
3	LAB 3	1	.0070	.0060	.00625	.2500E-06
		2	.0060	.0060		
4	LAB 4	1	.0070	.0100	.00800	.3333E-05
		2	.0060	.0090		
5	LAB 6	1	.0050	.0060	.00550	.3333E-06
		2	.0060	.0050		
6	LAB 9	1	.0070	.0060	.00650	.3333E-06
		2	.0060	.0070		
7	LAB12	1	.0040	.0050	.00400	.6667E-06
		2	.0040	.0030		
8	LAB14	1	.0070	.0130	.00850	.1500E-04
		2	.0040	.0100		
9	LAB15	1	.0070	.0080	.00725	.9167E-06
		2	.0080	.0060		
10	LAB20	1	.0060	.0090	.00800	.6000E-05
		2	.0060	.0110		
11	LAB21	1	.0030	.0040	.00325	.2500E-06
		2	.0030	.0030		
12	LAB22	1	.0070	.0060	.00675	.2500E-06
		2	.0070	.0070		
13	LAB23	1	-.0310	-.0370	-.03500	.8000E-05
		2	-.0350	-.0370		
14	LAB31	1	.0150	-.0010	.00700	.8533E-04
		2	-.0010	.0150		
15	LAB33	1	.0060	.0060	.00550	.1000E-05
		2	.0060	.0040		
16	LAB35	1	.0050	.0060	.00550	.3333E-06
		2	.0050	.0060		
17	LAB41	1	.0050	.0060	.00600	.6667E-06
		2	.0060	.0070		
18	LAB13	1	.0090	.0090	.00875	.2500E-06
		2	.0080	.0090		
19	LAB16	1	.0090	.0090	.00825	.2250E-05
		2	.0090	.0060		
20	LAB18	1	.0080	.0060	.00650	.1000E-05
		2	.0060	.0060		
21	LAB21	1	.0070	.0050	.00600	.1333E-05
		2	.0070	.0050		
22	LAB22	1	.0070	.0060	.00675	.2500E-06
		2	.0070	.0070		
23	LAB25	1	.0060	.0060	.00575	.2500E-06
		2	.0050	.0060		
24	LAB26	1	.0050	.0020	.00425	.2917E-05
		2	.0060	.0040		
25	LAB33	1	.0080	.0080	.00725	.9167E-06
		2	.0060	.0070		
26	LAB40	1	.0070	.0080	.00700	.6667E-06
		2	.0060	.0070		

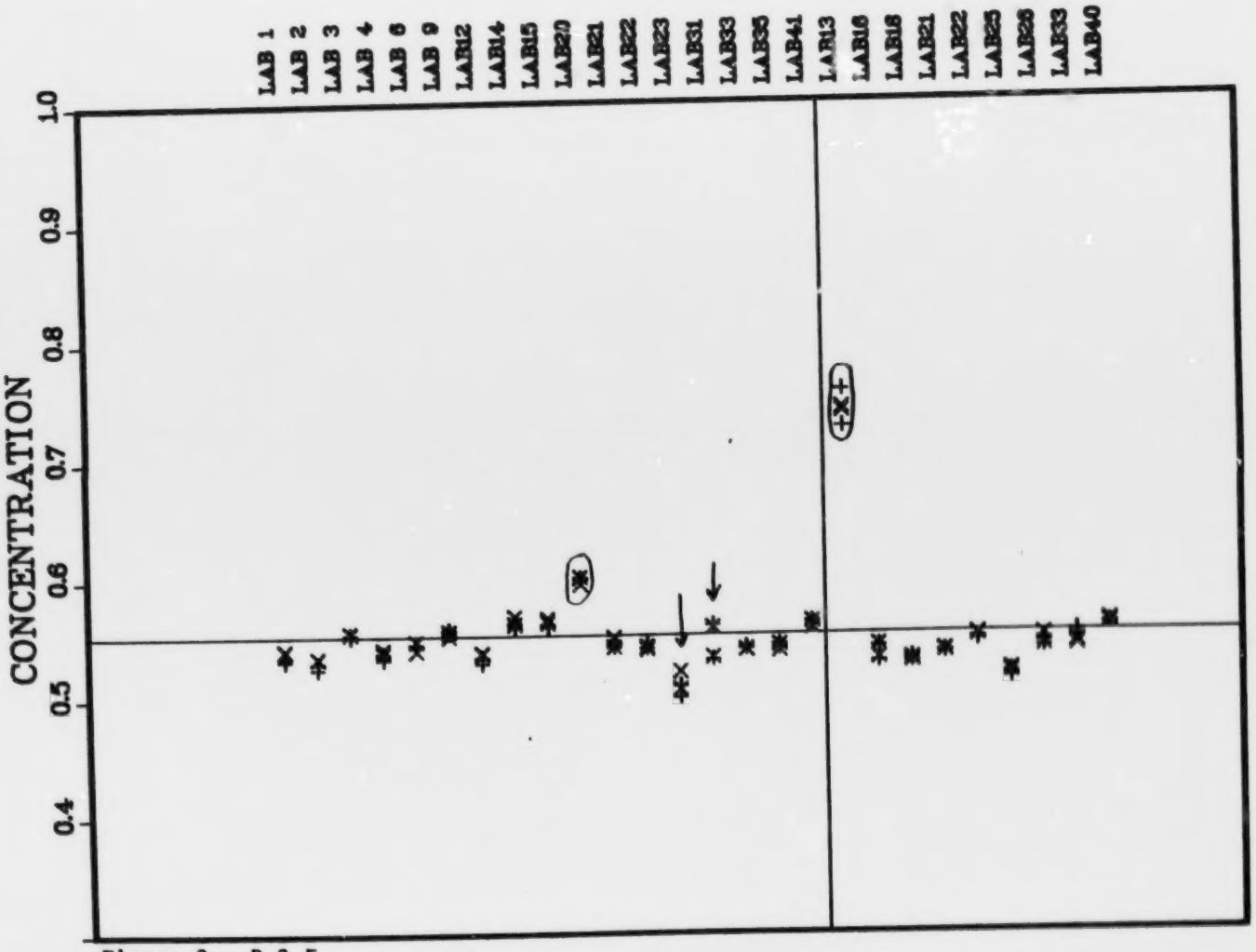


Figure 2. P 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE: 79-4 LOSS ON FUSION CORRECTED

Table 2. P 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.5420	.5410	.53800	.1800E-04
		2	.5360	.5330		
2	LAB 2	1	.5350	.5350	.53175	.1825E-04
		2	.5260	.5310		
3	LAB 3	1	.5560	.5560	.55500	.2000E-05
		2	.5550	.5530		
4	LAB 4	1	.5420	.5390	.53850	.1100E-04
		2	.5390	.5340		
5	LAB 6	1	.5410	.5490	.54525	.1092E-04
		2	.5450	.5460		
6	LAB 9	1	.5530	.5570	.55575	.4917E-05
		2	.5550	.5580		
7	LAB12	1	.5390	.5380	.53550	.1633E-04
		2	.5350	.5300		
8	LAB14	1	.5630	.5690	.56375	.1425E-04
		2	.5600	.5630		
9	LAB15	1	.5670	.5640	.56350	.7000E-05
		2	.5620	.5610		
10	LAB20	1	.6020	.5960	.59975	.6917E-05
		2	.6010	.6000		
11	LAB21	1	.5430	.5510	.54550	.1433E-04
		2	.5430	.5450		
12	LAB22	1	.5410	.5430	.54325	.6917E-05
		2	.5420	.5470		
13	LAB23	1	.5220	.5070	.50975	.8425E-04
		2	.5100	.5000		
14	LAB31	1	.5590	.5340	.54650	.2443E-03
		2	.5320	.5610		
15	LAB33	1	.5400	.5400	.54075	.9167E-06
		2	.5410	.5420		
16	LAB35	1	.5390	.5440	.54200	.6000E-05
		2	.5410	.5440		
17	LAB41	1	.5580	.5630	.56100	.6000E-05
		2	.5600	.5630		
18	LAB13	1	.7420	.7390	.74100	.1620E-03
		2	.7260	.7570		
19	LAB16	1	.5430	.5320	.53650	.4967E-04
		2	.5290	.5420		
20	LAB18	1	.5310	.5290	.53025	.2250E-05
		2	.5320	.5290		
21	LAB21	1	.5380	.5370	.53700	.6667E-06
		2	.5360	.5370		
22	LAB22	1	.5500	.5510	.54875	.4917E-05
		2	.5460	.5480		
23	LAB25	1	.5210	.5190	.51825	.8917E-05
		2	.5140	.5190		
24	LAB26	1	.5410	.5500	.54375	.2025E-04
		2	.5440	.5400		
25	LAB33	1	.5410	.5440	.54650	.2700E-04
		2	.5530	.5480		
26	LAB40	1	.5590	.5610	.55950	.1000E-05
		2	.5590	.5590		

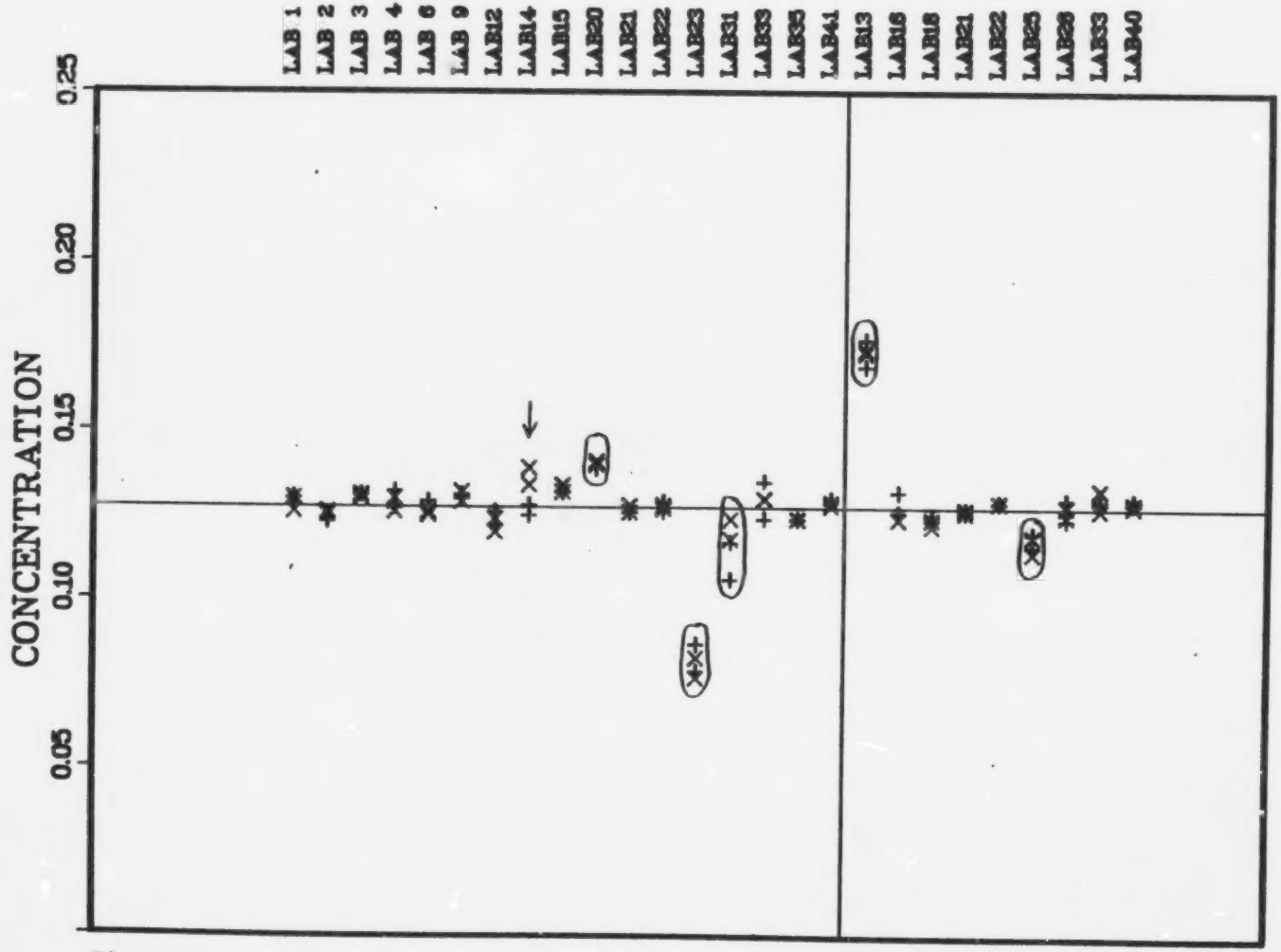


Figure 2. P 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE: 79–13 LOSS ON FUSION CORRECTED

Table 2. P 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1260	.1300	.12850	.3667E-05
		2	.1280	.1300		
2	LAB 2	1	.1260	.1250	.12450	.1667E-05
		2	.1240	.1230		
3	LAB 3	1	.1300	.1310	.13075	.2500E-06
		2	.1310	.1310		
4	LAB 4	1	.1260	.1300	.12875	.7583E-05
		2	.1320	.1270		
5	LAB 6	1	.1250	.1260	.12725	.4250E-05
		2	.1290	.1290		
6	LAB 9	1	.1320	.1290	.13050	.1667E-05
		2	.1310	.1300		
7	LA812	1	.1240	.1200	.12300	.6667E-05
		2	.1220	.1260		
8	LAB14	1	.1340	.1390	.13150	.3900E-04
		2	.1250	.1280		
9	LA815	1	.1340	.1320	.13250	.1000E-05
		2	.1320	.1320		
10	LA820	1	.1400	.1410	.13975	.9167E-06
		2	.1390	.1390		
11	LA821	1	.1260	.1280	.12650	.1000E-05
		2	.1260	.1260		
12	LA822	1	.1270	.1280	.12750	.1667E-05
		2	.1260	.1290		
13	LA823	1	.0830	.0770	.08150	.1967E-04
		2	.0870	.0790		
14	LA831	1	.1180	.1240	.11625	.5625E-04
		2	.1170	.1060		
15	LA833	1	.1300	.1300	.12975	.2025E-04
		2	.1240	.1350		
16	LA835	1	.1240	.1240	.12400	0.
		2	.1240	.1240		
17	LA841	1	.1280	.1290	.12900	.6667E-06
		2	.1290	.1300		
18	LA813	1	.1730	.1740	.17325	.1092E-04
		2	.1690	.1770		
19	LA816	1	.1240	.1240	.12650	.1433E-04
		2	.1320	.1260		
20	LA818	1	.1240	.1220	.12375	.1583E-05
		2	.1240	.1250		
21	LA821	1	.1260	.1270	.12650	.3333E-06
		2	.1260	.1270		
22	LA822	1	.1290	.1290	.12900	0.
		2	.1290	.1290		
23	LA825	1	.1190	.1140	.11725	.7583E-05
		2	.1200	.1160		
24	LA826	1	.1280	.1250	.12675	.7583E-05
		2	.1300	.1240		
25	LA833	1	.1270	.1330	.12975	.6250E-05
		2	.1290	.1300		
26	LA840	1	.1290	.1280	.12900	.6667E-06
		2	.1300	.1290		

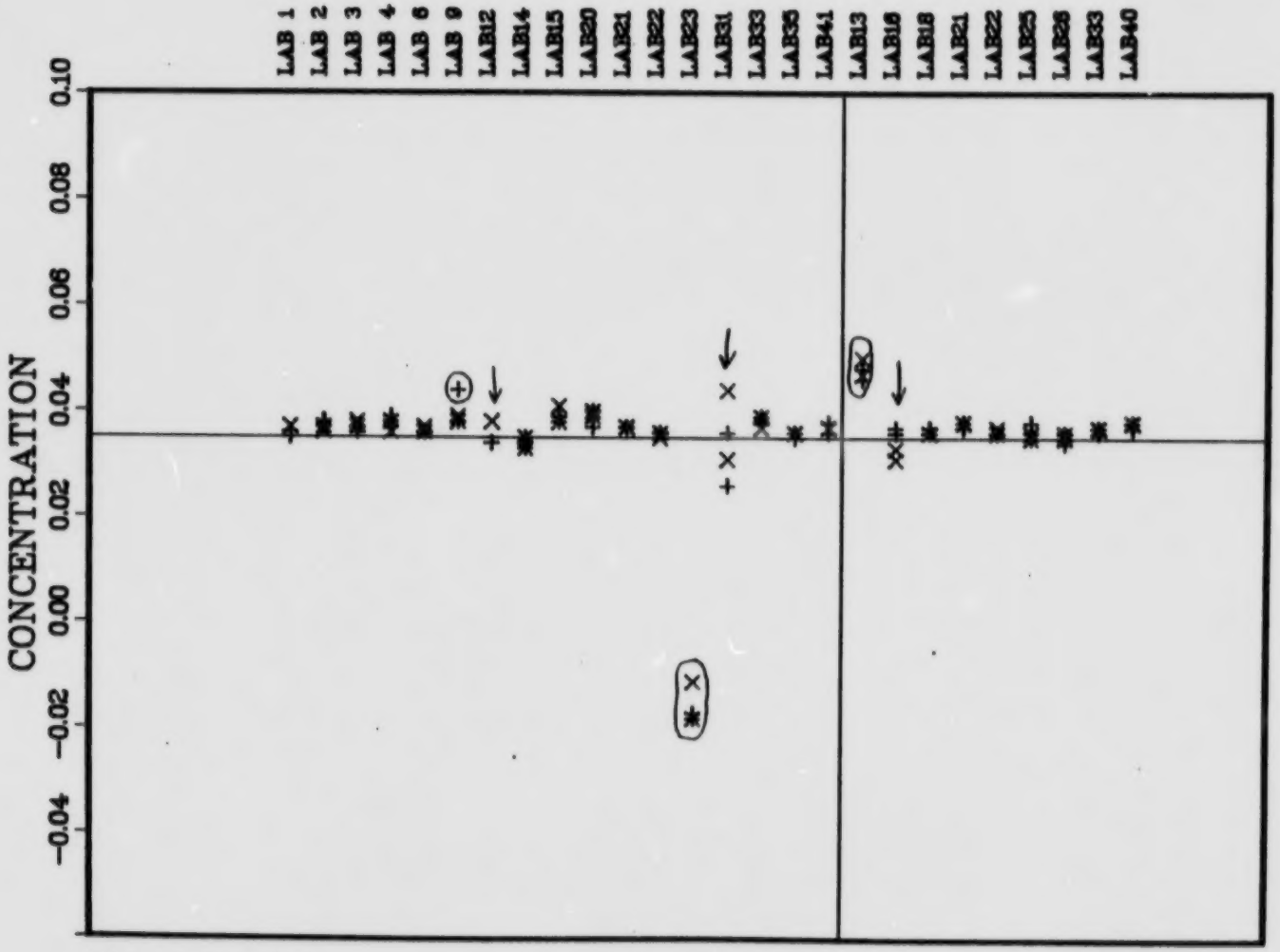


Figure 2. P 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE 83-1 LOSS ON FUSION CORRECTED

Table 2. P 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0370	.0370	.03625	.9167E-06
		2	.0360	.0350		
2	LAB 2	1	.0360	.0370	.03700	.6667E-06
		2	.0370	.0380		
3	LAB 3	1	.0380	.0370	.03700	.6667E-06
		2	.0370	.0360		
4	LAB 4	1	.0380	.0360	.03775	.1583E-05
		2	.0380	.0390		
5	LAB 6	1	.0370	.0360	.03625	.2500E-06
		2	.0360	.0360		
6	LAB 9	1	.0380	.0390	.03975	.8250E-05
		2	.0440	.0380		
7	LAB12	1	.0380	.0380	.03600	.5333E-05
		2	.0340	.0340		
8	LAB14	1	.0350	.0330	.03400	.1333E-05
		2	.0350	.0330		
9	LAB15	1	.0380	.0410	.03900	.2000E-05
		2	.0380	.0390		
10	LAB20	1	.0400	.0390	.03900	.2000E-05
		2	.0370	.0400		
11	LAB21	1	.0370	.0370	.03700	0.
		2	.0370	.0370		
12	LAB22	1	.0360	.0350	.03575	.2500E-06
		2	.0360	.0360		
13	LAB23	1	-.0110	-.0180	-.01600	.1133E-04
		2	-.0170	-.0180		
14	LAB31	1	.0440	.0310	.03425	.5892E-04
		2	.0260	.0360		
15	LAB33	1	.0370	.0390	.03825	.9167E-06
		2	.0390	.0380		
16	LAB35	1	.0360	.0360	.03575	.2500E-06
		2	.0350	.0360		
17	LAB41	1	.0370	.0370	.03700	.6667E-06
		2	.0360	.0380		
18	LAB13	1	.0470	.0500	.04775	.2917E-05
		2	.0460	.0480		
19	LAB16	1	.0330	.0310	.03425	.7583E-05
		2	.0360	.0370		
20	LAB18	1	.0360	.0360	.03625	.2500E-06
		2	.0370	.0360		
21	LAB21	1	.0380	.0380	.03775	.2500E-06
		2	.0380	.0370		
22	LAB22	1	.0360	.0370	.03625	.2500E-06
		2	.0360	.0360		
23	LAB25	1	.0350	.0360	.03600	.2000E-05
		2	.0350	.0380		
24	LAB26	1	.0350	.0360	.03525	.9167E-06
		2	.0340	.0360		
25	LAB33	1	.0370	.0370	.03675	.2500E-06
		2	.0370	.0360		
26	LAB40	1	.0380	.0380	.03775	.2500E-06
		2	.0380	.0370		

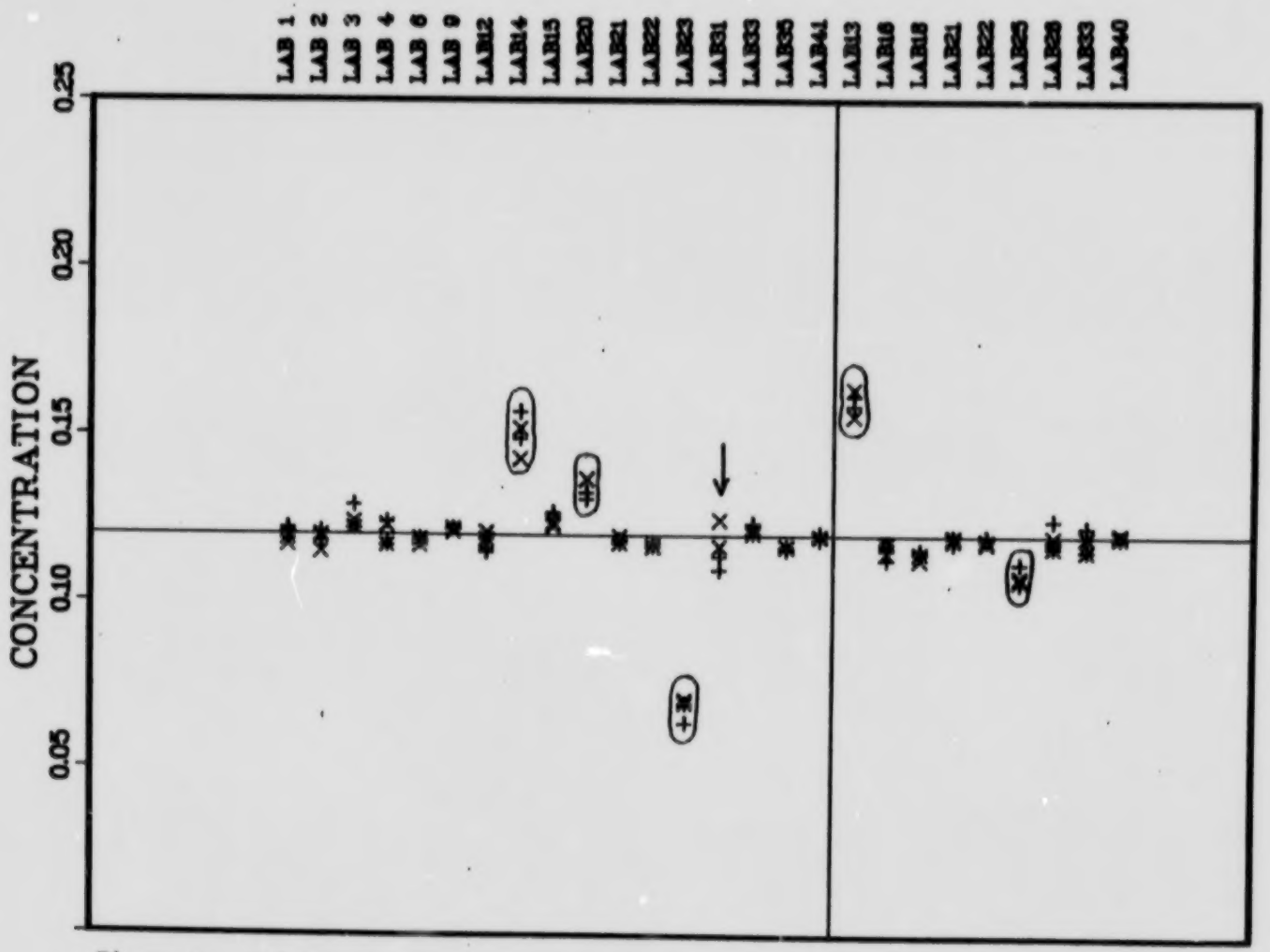


Figure 2. P 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE: 83-9 LOSS ON FUSION CORRECTED

Table 2. P 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1190	.1170	.11975	.4917E-05
		2	.1220	.1210		
2	LAB 2	1	.1200	.1150	.11850	.7000E-05
		2	.1210	.1180		
3	LAB 3	1	.1240	.1220	.12425	.1092E-04
		2	.1220	.1290		
4	LAB 4	1	.1170	.1230	.12025	.1425E-04
		2	.1170	.1240		
5	LAB 6	1	.1170	.1190	.11825	.9167E-06
		2	.1190	.1180		
6	LAB 9	1	.1210	.1220	.12175	.2500E-06
		2	.1220	.1220		
7	LAB12	1	.1210	.1190	.11775	.7583E-05
		2	.1160	.1150		
8	LAB14	1	.1520	.1430	.15025	.3425E-04
		2	.1490	.1570		
9	LAB15	1	.1230	.1240	.12475	.2917E-05
		2	.1270	.1250		
10	LAB20	1	.1370	.1370	.13450	.9000E-05
		2	.1330	.1310		
11	LAB21	1	.1200	.1180	.11875	.9167E-06
		2	.1190	.1180		
12	LAB22	1	.1170	.1170	.11725	.2500E-06
		2	.1170	.1180		
13	LAB23	1	.0710	.0700	.06875	.1025E-04
		2	.0700	.0640		
14	LAB31	1	.1170	.1250	.11650	.4033E-04
		2	.1100	.1140		
15	LAB33	1	.1210	.1220	.12200	.2000E-05
		2	.1210	.1240		
16	LAB35	1	.1170	.1170	.11675	.2500E-06
		2	.1160	.1170		
17	LAB41	1	.1200	.1200	.12000	.6667E-06
		2	.1190	.1210		
18	LAB13	1	.1560	.1640	.16025	.1225E-04
		2	.1590	.1620		
19	LAB16	1	.1150	.1180	.11600	.6000E-05
		2	.1180	.1130		
20	LAB18	1	.1150	.1130	.11475	.1583E-05
		2	.1160	.1150		
21	LAB21	1	.1190	.1200	.11925	.9167E-06
		2	.1200	.1180		
22	LAB22	1	.1190	.1180	.11900	.6667E-06
		2	.1190	.1200		
23	LAB25	1	.1070	.1080	.10825	.6917E-05
		2	.1060	.1120		
24	LAB26	1	.1200	.1170	.11975	.1425E-04
		2	.1250	.1170		
25	LAB33	1	.1160	.1200	.11875	.1158E-04
		2	.1160	.1230		
26	LAB40	1	.1210	.1200	.12025	.2500E-06
		2	.1200	.1200		

Figure 2. P 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE 83-16 LOSS ON FUSION CORRECTED

Table 2. P 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0020	.0010	.00175	.2500E-06
		2	.0020	.0020		
2	LAB 2	1	0.0000	0.0000	-.00025	.2500E-06
		2	0.0000	-.0010		
3	LAB 3	1	.0010	0.0000	.00100	.6667E-06
		2	.0020	.0010		
4	LAB 4	1	-.0010	.0030	.00200	.4667E-05
		2	.0020	.0040		
5	LAB 6	1	0.0000	0.0000	-.00025	.2500E-06
		2	0.0000	-.0010		
6	LAB 9	1	0.0000	.0010	.00050	.3333E-06
		2	0.0000	.0010		
7	LAB12	1	.0010	0.0000	.00050	.3333E-06
		2	.0010	0.0000		
8	LAB14	1	.0050	.0040	.00475	.6250E-05
		2	.0020	.0080		
9	LAB15	1	-.0010	.0010	.00025	.9167E-06
		2	.0010	0.0000		
10	LAB20	1	.0030	0.0000	.00225	.2917E-05
		2	.0020	.0040		
11	LAB21	1	.0030	.0040	.00225	.2250E-05
		2	.0010	.0010		
12	LAB22	1	.0010	.0010	.00150	.3333E-06
		2	.0020	.0020		
13	LAB23	1	-.0530	-.0590	-.05575	.1958E-04
		2	-.0510	-.0600		
14	LAB31	1	-.0120	-.0040	.00100	.1513E-03
		2	.0170	.0030		
15	LAB33	1	-.0010	.0020	.00075	.1583E-05
		2	.0010	.0010		
16	LAB35	1	-.0010	-.0010	-.00100	0.
		2	-.0010	-.0010		
17	LAB41	1	.0010	.0010	.00050	.1000E-05
		2	-.0010	.0010		
18	LAB13	1	0.0000	0.0000	0.00000	.6667E-06
		2	.0010	-.0010		
19	LAB16	1	.0020	.0030	.00200	.6667E-06
		2	.0020	.0010		
20	LAB18	1	.0020	.0010	.00125	.2500E-06
		2	.0010	.0010		
21	LAB21	1	.0010	.0010	.00100	0.
		2	.0010	.0010		
22	LAB22	1	.0020	.0020	.00175	.2500E-06
		2	.0020	.0010		
23	LAB25	1	-.0010	.0020	.00100	.2000E-05
		2	.0010	.0020		
24	LAB26	1	.0040	.0010	.00125	.3583E-05
		2	0.0000	0.0000		
25	LAB33	1	0.0000	.0020	.00050	.1667E-05
		2	-.0010	.0010		
26	LAB40	1	.0010	.0010	.00125	.2500E-06
		2	.0020	.0010		

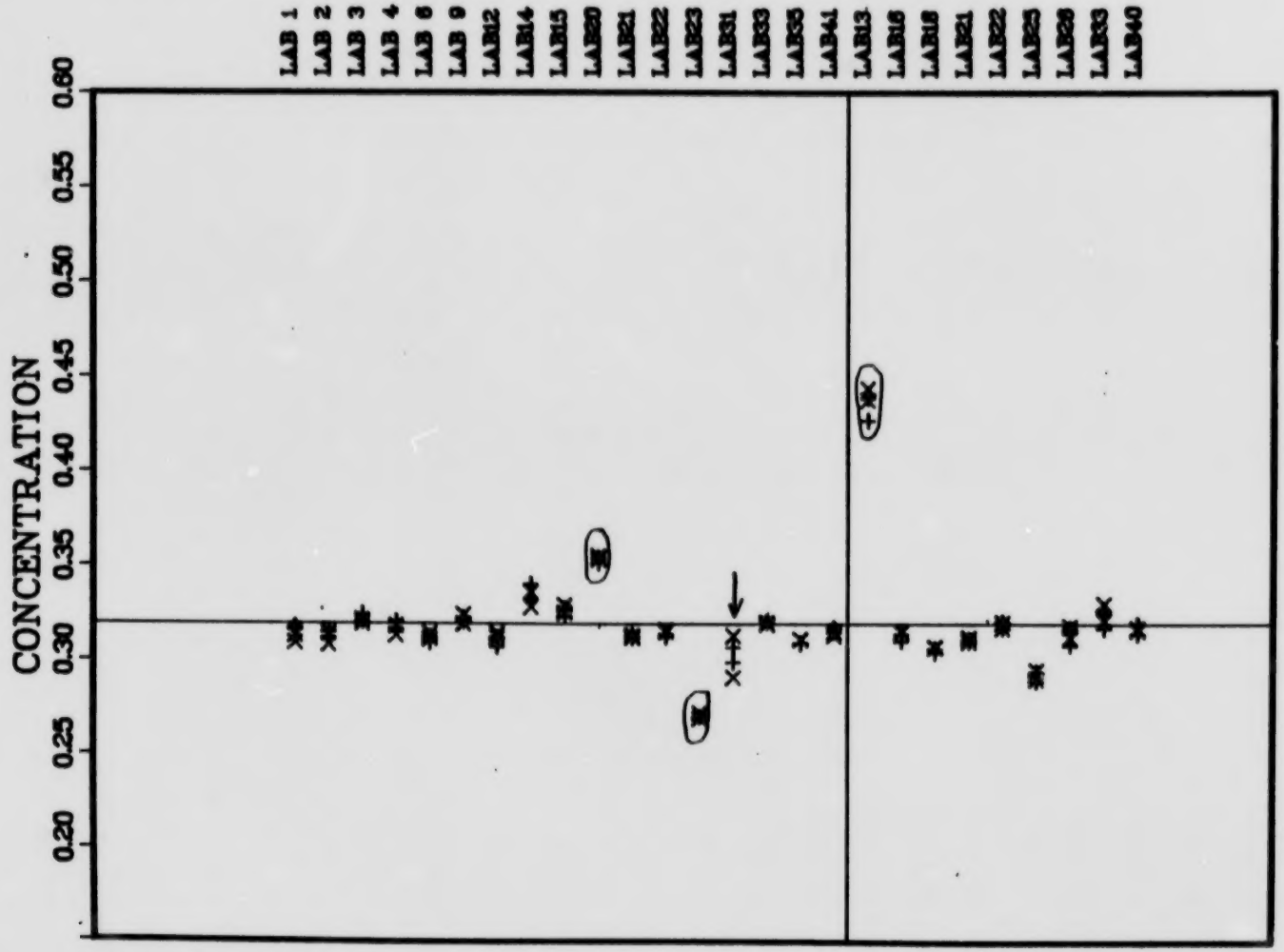


Figure 2. P 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 P

SAMPLE: 83-17 LOSS ON FUSION CORRECTED

Table 2. P 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 P
SAMPLE: 83-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.3130	.3090	.31375	.1292E-04
		2	.3170	.3160		
2	LAB 2	1	.3140	.3080	.31300	.1133E-04
		2	.3150	.3150		
3	LAB 3	1	.3210	.3190	.32100	.4667E-05
		2	.3240	.3200		
4	LAB 4	1	.3130	.3180	.31675	.8917E-05
		2	.3200	.3160		
5	LAB 6	1	.3110	.3140	.31150	.4333E-05
		2	.3090	.3120		
6	LAB 9	1	.3240	.3190	.32125	.4917E-05
		2	.3200	.3220		
7	LAB12	1	.3140	.3120	.31125	.8917E-05
		2	.3070	.3120		
8	LAB14	1	.3280	.3260	.33400	.2667E-04
		2	.3320	.3400		
9	LAB15	1	.3250	.3290	.32600	.6667E-05
		2	.3230	.3270		
10	LAB20	1	.3550	.3530	.35325	.2917E-05
		2	.3510	.3540		
11	LAB21	1	.3130	.3120	.31250	.3333E-06
		2	.3130	.3120		
12	LAB22	1	.3150	.3160	.31425	.2917E-05
		2	.3120	.3140		
13	LAB23	1	.2720	.2690	.27025	.1583E-05
		2	.2700	.2700		
14	LAB31	1	.2910	.3130	.30250	.9167E-04
		2	.2990	.3070		
15	LAB33	1	.3200	.3190	.32025	.1583E-05
		2	.3200	.3220		
16	LAB35	1	.3110	.3110	.31000	.1333E-05
		2	.3090	.3090		
17	LAB41	1	.3150	.3130	.31500	.2667E-05
		2	.3170	.3150		
18	LAB13	1	.4380	.4440	.43700	.5133E-04
		2	.4270	.4390		
19	LAB16	1	.3150	.3150	.31350	.5667E-05
		2	.3100	.3140		
20	LAB18	1	.3070	.3070	.30600	.2000E-05
		2	.3040	.3060		
21	LAB21	1	.3100	.3120	.31075	.9167E-06
		2	.3110	.3100		
22	LAB22	1	.3200	.3170	.31850	.3000E-05
		2	.3170	.3200		
23	LAB25	1	.2950	.2900	.29200	.8667E-05
		2	.2940	.2890		
24	LAB26	1	.3180	.3120	.31375	.2158E-04
		2	.3170	.3080		
25	LAB33	1	.3300	.3210	.32325	.3092E-04
		2	.3170	.3250		
26	LAB40	1	.3170	.3160	.31650	.4333E-05
		2	.3140	.3190		

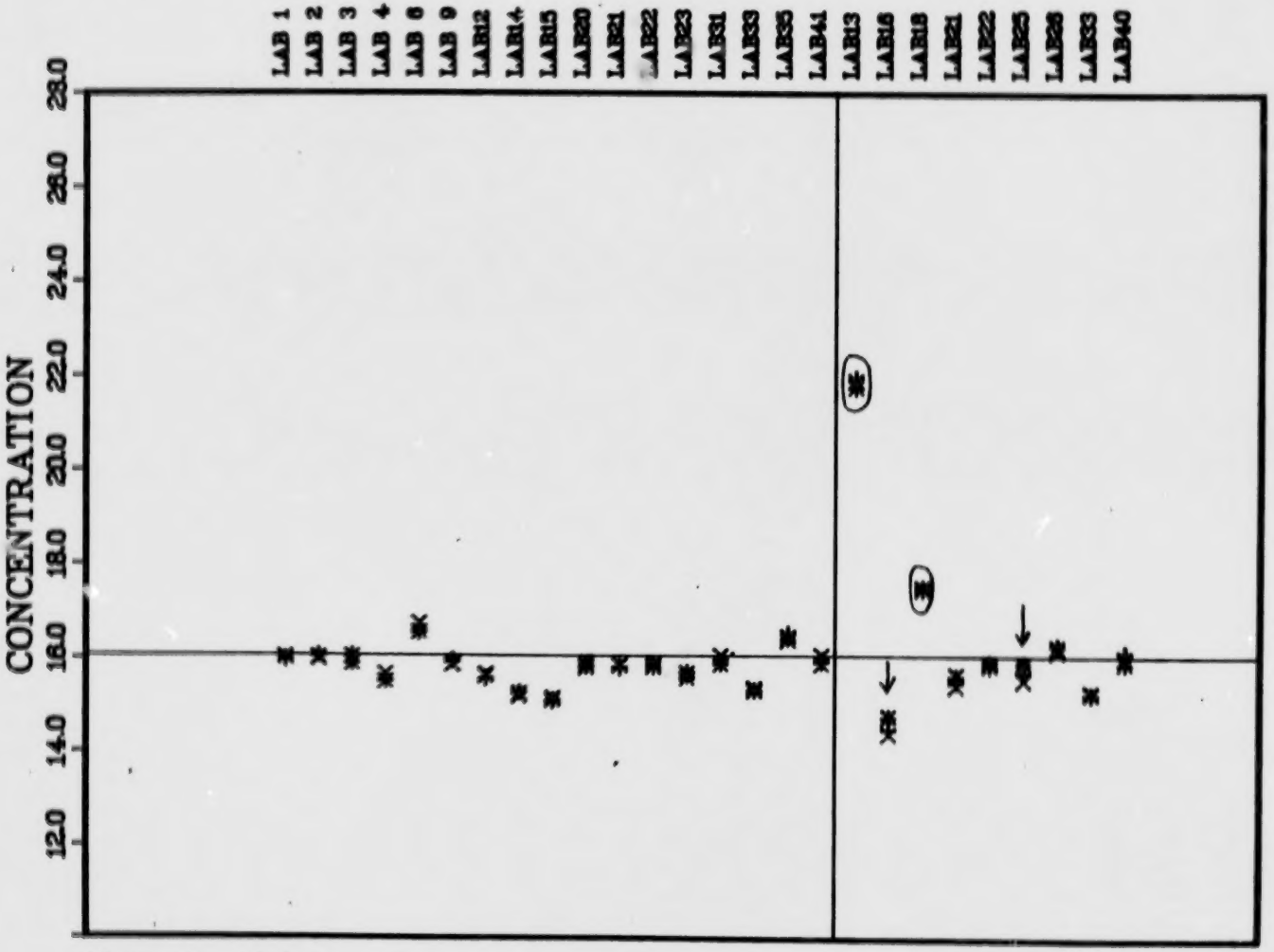


Figure 2. SI 1.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE 77-8 LOSS CORRECTED ALPHA

Table 2. Si I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	16.0190	16.0090	15.98825	.1209E-02
		2	15.9410	15.9840		
2	LAB 2	1	16.0190	15.9720	16.01975	.1248E-02
		2	16.0320	16.0560		
3	LAB 3	1	16.0350	15.8800	15.96375	.9699E-02
		2	16.0620	15.8780		
4	LAB 4	1	15.5000	15.6610	15.55075	.5693E-02
		2	15.5380	15.5040		
5	LAB 5	1	16.7370	16.5520	16.60150	.8603E-02
		2	16.5840	16.5330		
6	LAB 9	1	15.8770	15.8660	15.90575	.1968E-02
		2	15.9160	15.9640		
7	LAB12	1	15.6210	15.6630	15.60450	.2340E-02
		2	15.5510	15.5830		
8	LAB14	1	15.1870	15.2510	15.24025	.1425E-02
		2	15.2470	15.2760		
9	LAB15	1	15.1090	15.1510	15.11125	.9443E-03
		2	15.1090	15.0760		
10	LAB20	1	15.8050	15.8660	15.83600	.6580E-03
		2	15.8440	15.8290		
11	LAB21	1	15.8670	15.8600	15.83125	.1812E-02
		2	15.7740	15.8240		
12	LAB22	1	15.8750	15.8250	15.84650	.1297E-02
		2	15.8070	15.8790		
13	LAB23	1	15.5840	15.6930	15.65100	.3757E-02
		2	15.6150	15.7120		
14	LAB31	1	16.0630	15.8770	15.93975	.7324E-02
		2	15.9320	15.8870		
15	LAB33	1	15.3680	15.3070	15.32675	.7749E-03
		2	15.3170	15.3150		
16	LAB35	1	16.3910	16.4700	16.45250	.4207E-02
		2	16.4130	16.5360		
17	LAB41	1	16.0710	15.8840	15.96375	.6531E-02
		2	15.9760	15.9240		
18	LAB13	1	21.7790	21.9140	21.85475	.1164E-01
		2	21.7500	21.9760		
19	LAB16	1	14.3890	14.7630	14.59350	.3534E-01
		2	14.4790	14.7430		
20	LAB18	1	17.5150	17.4700	17.48975	.8702E-03
		2	17.5150	17.4590		
21	LAB21	1	15.4220	15.6680	15.55100	.1322E-01
		2	15.4890	15.6250		
22	LAB22	1	15.8700	15.9210	15.88650	.2046E-02
		2	15.8300	15.9250		
23	LAB25	1	15.5500	15.9120	15.77050	.3046E-01
		2	15.7110	15.9090		
24	LAB26	1	16.1600	16.2640	16.25350	.4105E-02
		2	16.2980	16.2920		
25	LAB33	1	15.3000	15.2720	15.26850	.5630E-03
		2	15.2570	15.2450		
26	LAB40	1	15.9350	16.0450	16.00925	.1301E-01
		2	16.1540	15.9030		

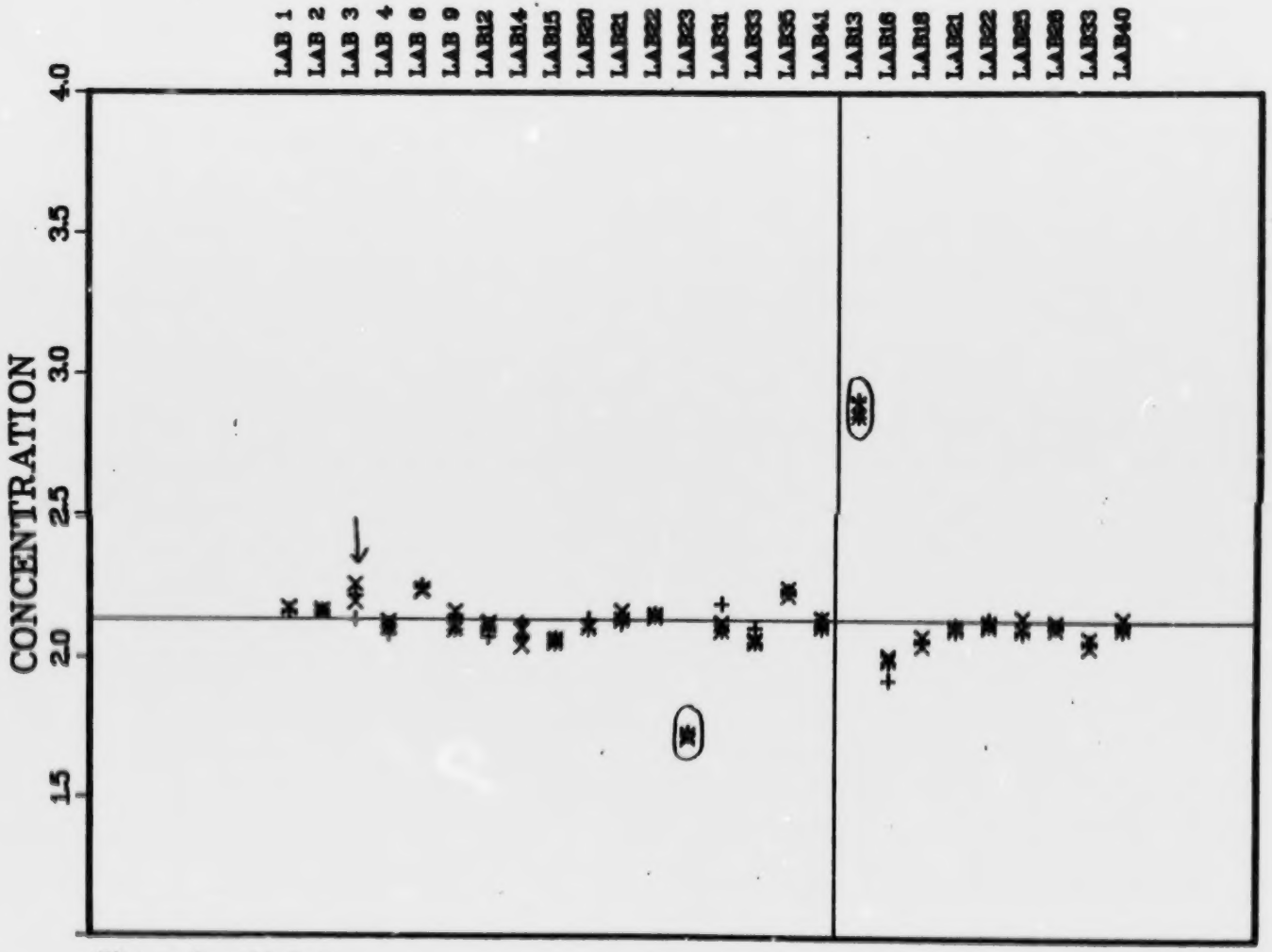


Figure 2. SI 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE: 79-4 LOSS CORRECTED ALPHA

Table 2. Si 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	2.1740	2.1740	2.16800	.4867E-04
		2	2.1610	2.1630		
2	LAB 2	1	2.1620	2.1660	2.16250	.8333E-05
		2	2.1590	2.1630		
3	LAB 3	1	2.2600	2.1960	2.20200	.2817E-02
		2	2.2190	2.1330		
4	LAB 4	1	2.1090	2.1280	2.10775	.4069E-03
		2	2.1140	2.0800		
5	LAB 6	1	2.2340	2.2410	2.24350	.5767E-04
		2	2.2480	2.2510		
6	LAB 9	1	2.1010	2.1630	2.12750	.1084E-02
		2	2.0980	2.1480		
7	LAB12	1	2.1120	2.1240	2.10550	.4990E-03
		2	2.1130	2.0730		
8	LAB14	1	2.0420	2.0980	2.08225	.1156E-02
		2	2.0690	2.1200		
9	LAB15	1	2.0650	2.0540	2.05925	.5292E-04
		2	2.0660	2.0520		
10	LAB20	1	2.1090	2.1070	2.11350	.2337E-03
		2	2.1020	2.1360		
11	LAB21	1	2.1340	2.1660	2.13650	.4197E-03
		2	2.1200	2.1260		
12	LAB22	1	2.1430	2.1520	2.14900	.2467E-04
		2	2.1470	2.1540		
13	LAB23	1	1.7120	1.7260	1.72350	.7033E-04
		2	1.7320	1.7240		
14	LAB31	1	2.0970	2.1250	2.12750	.2030E-02
		2	2.0960	2.1920		
15	LAB33	1	2.0560	2.0640	2.07025	.6199E-03
		2	2.1070	2.0540		
16	LAB35	1	2.2220	2.2470	2.23475	.1069E-03
		2	2.2330	2.2370		
17	LAB41	1	2.1400	2.1110	2.12325	.3176E-03
		2	2.1370	2.1050		
18	LAB13	1	2.8540	2.9020	2.87975	.9682E-03
		2	2.8520	2.9110		
19	LAB16	1	1.9920	2.0080	1.97675	.1468E-02
		2	1.9210	1.9860		
20	LAB18	1	2.0780	2.0450	2.06100	.1833E-03
		2	2.0590	2.0620		
21	LAB21	1	2.1040	2.1130	2.10800	.7400E-04
		2	2.0980	2.1170		
22	LAB22	1	2.1150	2.1280	2.12475	.9625E-04
		2	2.1190	2.1370		
23	LAB25	1	2.1050	2.1480	2.11250	.5737E-03
		2	2.1010	2.0960		
24	LAB26	1	2.1300	2.1080	2.11825	.8158E-04
		2	2.1180	2.1170		
25	LAB33	1	2.0440	2.0750	2.06000	.1687E-03
		2	2.0640	2.0570		
26	LAB40	1	2.1120	2.1460	2.11800	.3567E-03
		2	2.1050	2.1090		

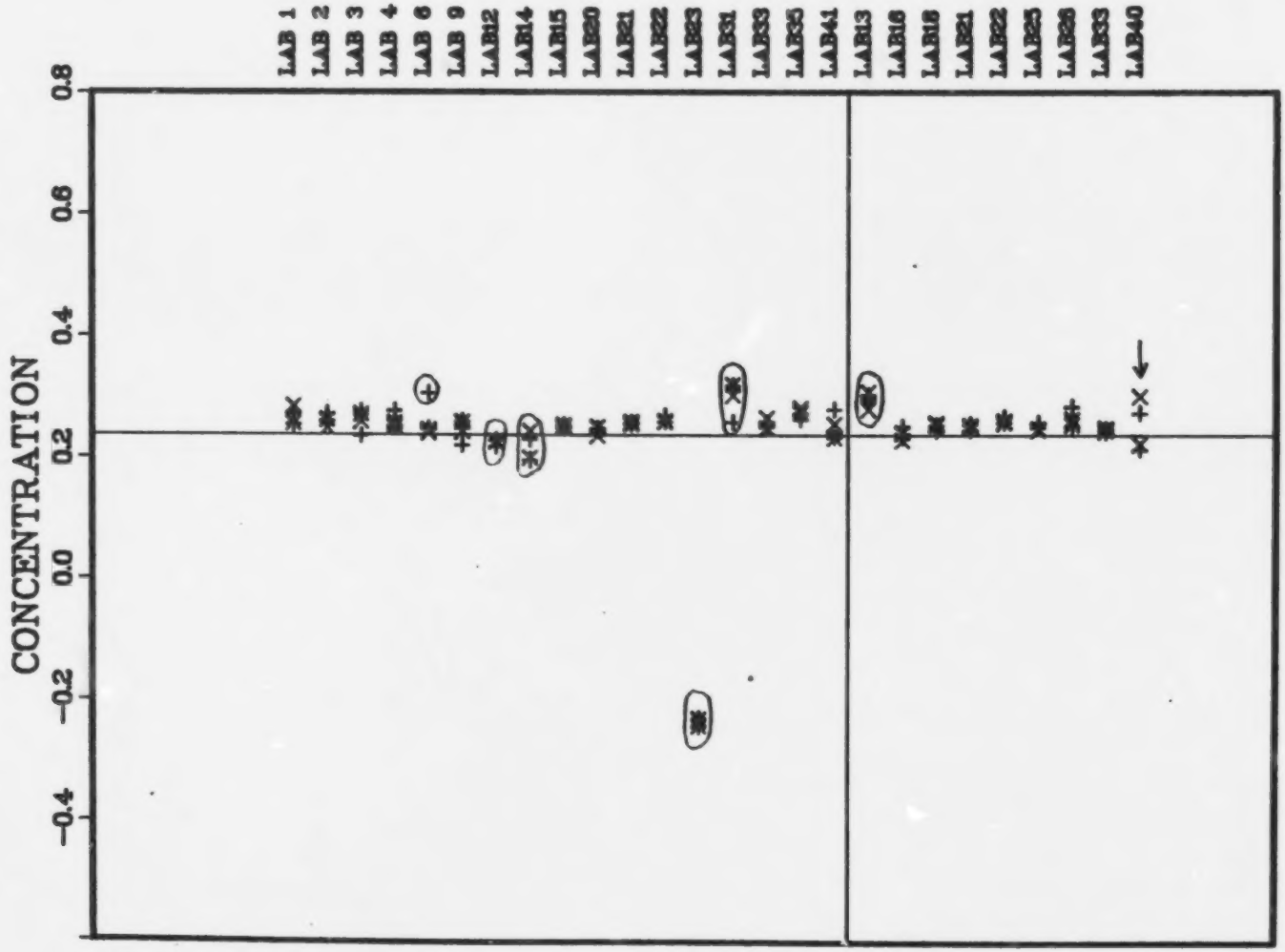


Figure 2. SI 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE: 79-13 LOSS CORRECTED ALPHA

Table 2. Si 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2560	.2840	.26650	.2010E-03
		2	.2540	.2720		
2	LAB 2	1	.2480	.2620	.26025	.8958E-04
		2	.2600	.2710		
3	LAB 3	1	.2590	.2710	.26025	.3343E-03
		2	.2350	.2760		
4	LAB 4	1	.2570	.2510	.25925	.1469E-03
		2	.2520	.2770		
5	LAB 6	1	.2450	.2400	.25950	.9697E-03
		2	.3060	.2470		
6	LAB 9	1	.2430	.2590	.24550	.3497E-03
		2	.2200	.2600		
7	LAB12	1	.2260	.2270	.22500	.2333E-04
		2	.2290	.2180		
8	LAB14	1	.2000	.2440	.21750	.5423E-03
		2	.1960	.2300		
9	LAB15	1	.2510	.2530	.25200	.3333E-05
		2	.2540	.2500		
10	LAB20	1	.2360	.2510	.24475	.4225E-04
		2	.2440	.2480		
11	LAB21	1	.2560	.2590	.25750	.1667E-05
		2	.2580	.2570		
12	LAB22	1	.2610	.2600	.26250	.1900E-04
		2	.2690	.2600		
13	LAB23	1	-.2300	-.2420	-.23625	.6158E-04
		2	-.2290	-.2440		
14	LAB31	1	.3030	.3210	.30050	.8303E-03
		2	.3190	.2590		
15	LAB33	1	.2490	.2660	.25625	.3625E-04
		2	.2580	.2520		
16	LAB35	1	.2820	.2750	.27325	.6158E-04
		2	.2630	.2730		
17	LAB41	1	.2560	.2330	.25075	.4929E-03
		2	.2800	.2340		
18	LAB13	1	.2800	.3090	.29675	.1636E-03
		2	.2940	.3040		
19	LAB16	1	.2420	.2290	.23900	.1047E-03
		2	.2330	.2520		
20	LAB18	1	.2580	.2550	.25300	.3133E-04
		2	.2540	.2450		
21	LAB21	1	.2540	.2520	.25200	.1867E-04
		2	.2560	.2460		
22	LAB22	1	.2590	.2610	.26150	.1433E-04
		2	.2590	.2670		
23	LAB25	1	.2460	.2480	.25075	.2758E-04
		2	.2510	.2580		
24	LAB26	1	.2560	.2640	.26425	.2163E-03
		2	.2520	.2850		
25	LAB33	1	.2440	.2490	.24575	.1092E-04
		2	.2420	.2480		
26	LAB40	1	.2230	.3020	.25325	.1754E-02
		2	.2140	.2740		

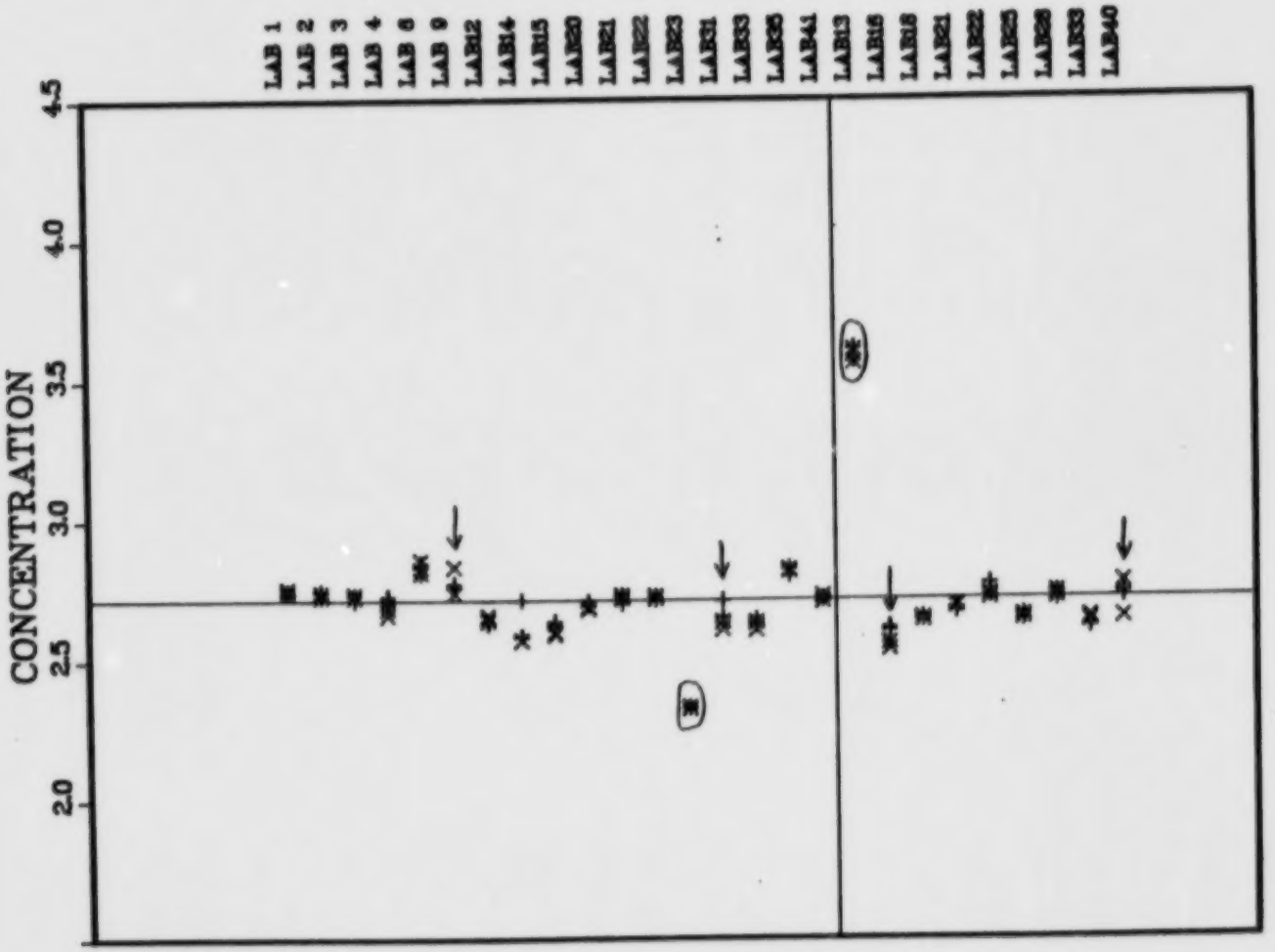


Figure 2. SI 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE 83-1 LOSS CORRECTED ALPHA

Table 2. Si 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 83-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	2.7580	2.7440	2.74925	.4092E-04
		2	2.7500	2.7450		
2	LAB 2	1	2.7440	2.7300	2.73850	.1023E-03
		2	2.7500	2.7300		
3	LAB 3	1	2.7390	2.7290	2.73000	.1047E-03
		2	2.7360	2.7160		
4	LAB 4	1	2.6640	2.6880	2.69575	.7763E-03
		2	2.7000	2.7310		
5	LAB 6	1	2.8600	2.8160	2.83500	.3753E-03
		2	2.8130	2.8510		
6	LAB 9	1	2.7410	2.8370	2.77950	.1680E-02
		2	2.7760	2.7640		
7	LAB12	1	2.6610	2.6440	2.64350	.1563E-03
		2	2.6340	2.6350		
8	LAB14	1	2.5730	2.5760	2.61300	.4751E-02
		2	2.5870	2.7160		
9	LAB15	1	2.5940	2.6040	2.61550	.4223E-03
		2	2.6240	2.6400		
10	LAB20	1	2.6850	2.6930	2.69625	.1183E-03
		2	2.6960	2.7110		
11	LAB21	1	2.7230	2.7330	2.72275	.1936E-03
		2	2.7030	2.7320		
12	LAB22	1	2.7220	2.7300	2.72325	.4092E-04
		2	2.7150	2.7260		
13	LAB23	1	2.3330	2.3270	2.33025	.1025E-04
		2	2.3280	2.3330		
14	LAB31	1	2.6120	2.6380	2.65375	.1876E-02
		2	2.7140	2.6510		
15	LAB33	1	2.6080	2.6350	2.62700	.2353E-03
		2	2.6220	2.6430		
16	LAB35	1	2.8230	2.8180	2.81700	.1420E-03
		2	2.8000	2.8270		
17	LAB41	1	2.7280	2.7080	2.71700	.7867E-04
		2	2.7120	2.7200		
18	LAB13	1	3.5610	3.6060	3.58625	.7002E-03
		2	3.5660	3.6120		
19	LAB16	1	2.5370	2.5590	2.57825	.1321E-02
		2	2.6030	2.6140		
20	LAB18	1	2.6450	2.6390	2.64300	.1800E-04
		2	2.6400	2.6480		
21	LAB21	1	2.6880	2.6930	2.68225	.1276E-03
		2	2.6670	2.6810		
22	LAB22	1	2.7280	2.7170	2.73375	.5729E-03
		2	2.7690	2.7210		
23	LAB25	1	2.6440	2.6510	2.64700	.5667E-04
		2	2.6380	2.6550		
24	LAB26	1	2.7180	2.7360	2.72400	.1787E-03
		2	2.7340	2.7080		
25	LAB33	1	2.6330	2.6450	2.62675	.2256E-03
		2	2.6160	2.6130		
26	LAB40	1	2.6450	2.7710	2.71750	.2809E-02
		2	2.7350	2.7190		

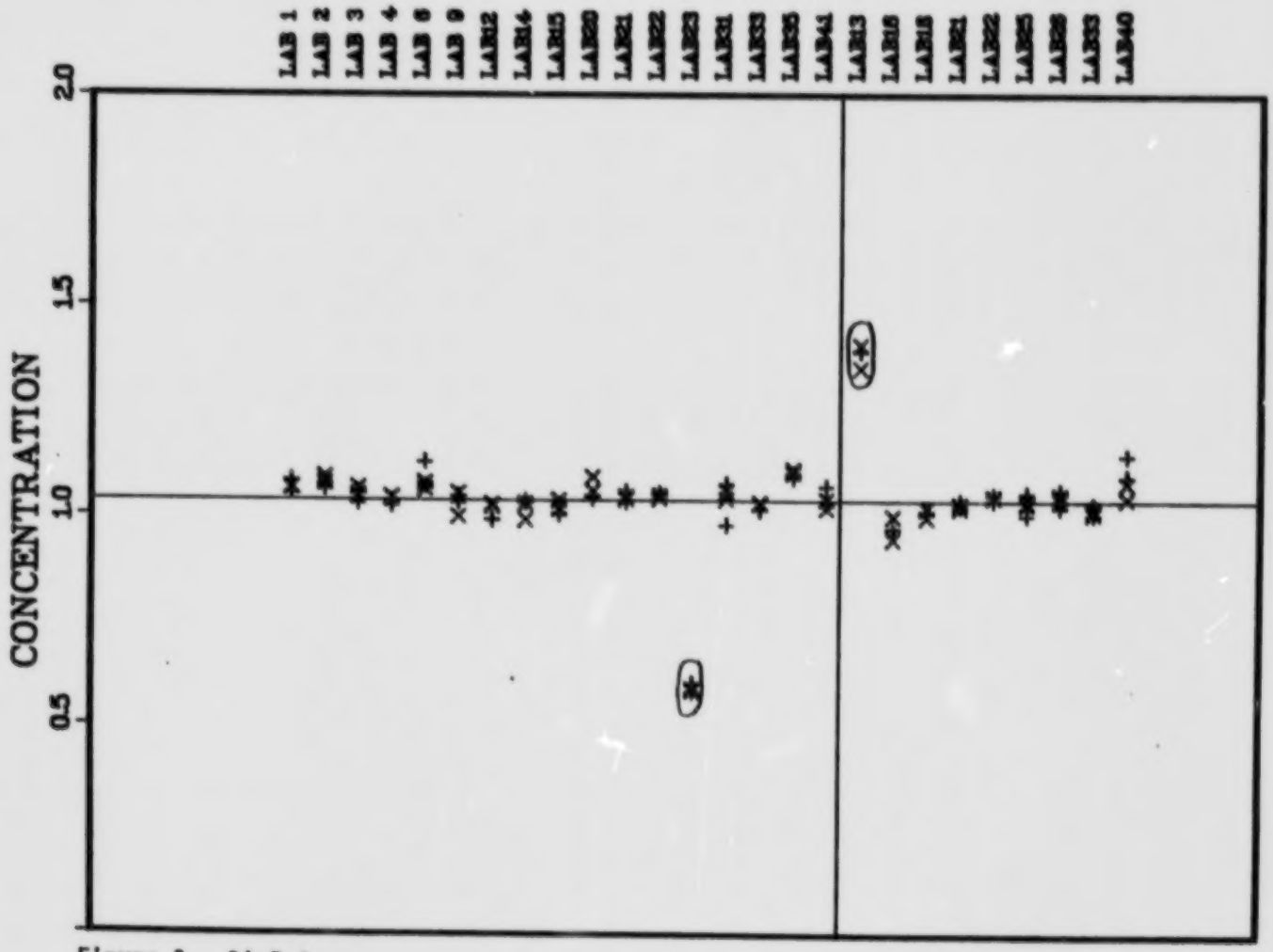


Figure 2. SI 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE: 83-9 LOSS CORRECTED ALPHA

Table 2. Si S.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.0640	1.0670	1.06625	.1523E-03
		2	1.0820	1.0520		
2	LAB 2	1	1.0910	1.0780	1.07525	.1449E-03
		2	1.0620	1.0720		
3	LAB 3	1	1.0480	1.0660	1.04925	.2556E-03
		2	1.0280	1.0550		
4	LAB 4	1	1.0440	1.0430	1.03625	.9425E-04
		2	1.0350	1.0230		
5	LAB 6	1	1.0630	1.0780	1.08425	.8503E-03
		2	1.1270	1.0690		
6	LAB 9	1	.9980	1.0540	1.03250	.6217E-03
		2	1.0310	1.0470		
7	LA812	1	1.0280	1.0230	1.00800	.4127E-03
		2	.9900	.9910		
8	LA814	1	.9900	1.0290	1.02075	.4229E-03
		2	1.0310	1.0330		
9	LA815	1	1.0370	1.0150	1.01525	.2363E-03
		2	1.0060	1.0030		
10	LA820	1	1.0920	1.0580	1.05925	.5369E-03
		2	1.0390	1.0480		
11	LA821	1	1.0390	1.0460	1.04350	.1137E-03
		2	1.0320	1.0570		
12	LA822	1	1.0410	1.0480	1.04775	.2492E-04
		2	1.0490	1.0530		
13	LA823	1	.5890	.5830	.58850	.9500E-04
		2	.5800	.6020		
14	LA831	1	1.0400	1.0580	1.03800	.1816E-02
		2	1.0760	.9780		
15	LA833	1	1.0300	1.0310	1.02325	.7092E-04
		2	1.0170	1.0150		
16	LA835	1	1.1030	1.1110	1.10125	.7492E-04
		2	1.0900	1.1010		
17	LA841	1	1.0400	1.0190	1.03950	.5150E-03
		2	1.0710	1.0280		
18	LA813	1	1.3920	1.4070	1.38650	.5710E-03
		2	1.3920	1.3950		
19	LA816	1	.9450	1.0000	.97150	.5057E-03
		2	.9700	.9710		
20	LA818	1	1.0200	.9970	1.00975	.9092E-04
		2	1.0120	1.0100		
21	LA821	1	1.0200	1.0290	1.02725	.5625E-04
		2	1.0370	1.0230		
22	LA822	1	1.0460	1.0470	1.04575	.3358E-04
		2	1.0380	1.0520		
23	LA825	1	1.0300	1.0350	1.03100	.4753E-03
		2	1.0560	1.0030		
24	LA826	1	1.0400	1.0520	1.04350	.2990E-03
		2	1.0210	1.0610		
25	LA833	1	1.0080	1.0170	1.01450	.1070E-03
		2	1.0050	1.0280		
26	LA840	1	1.0430	1.0790	1.09050	.1793E-02
		2	1.0950	1.1450		

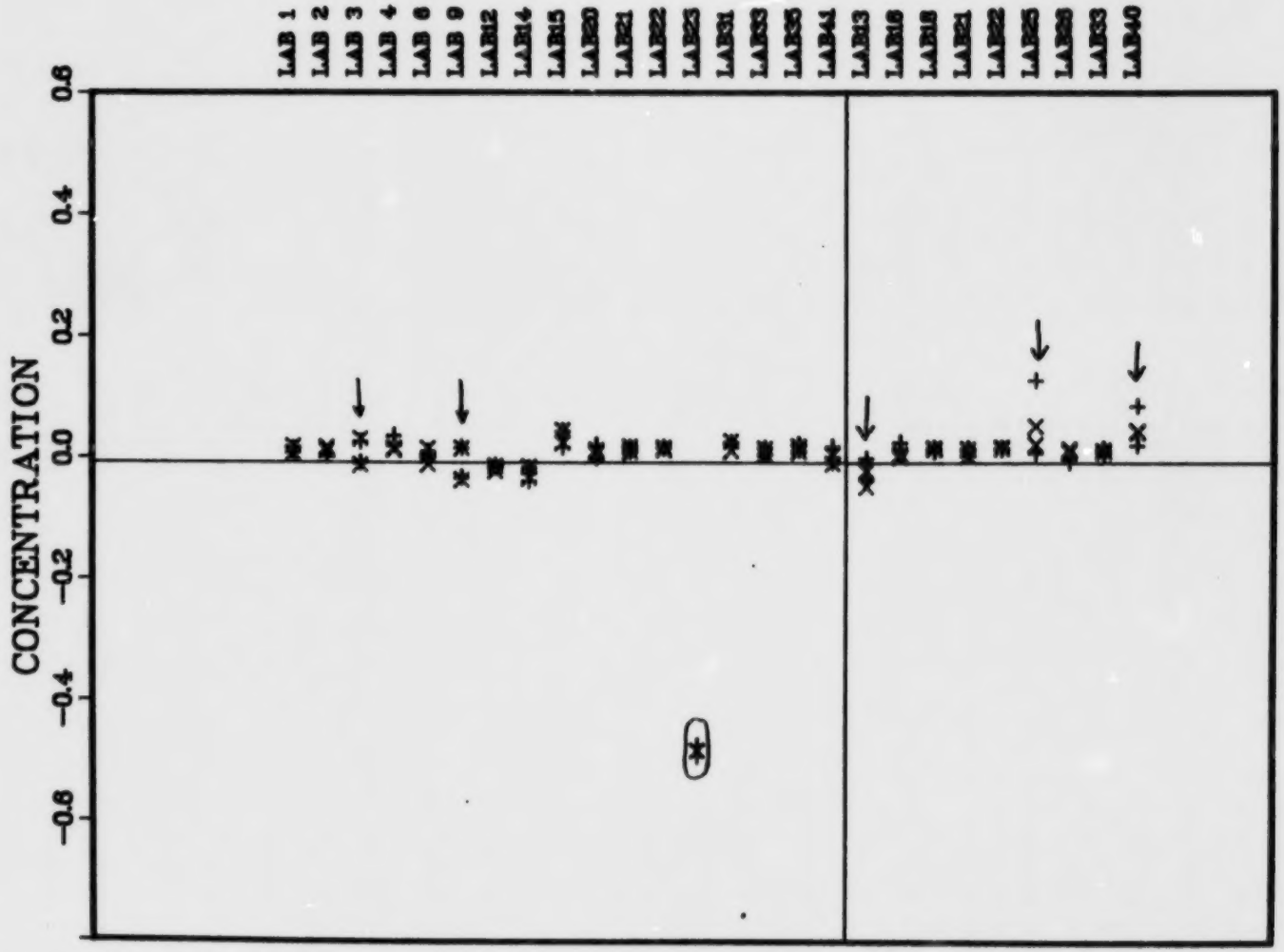


Figure 2. SI 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE: 83-16 LOSS CORRECTED ALPHA

Table 2. Si 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0190	.0070	.01250	.3033E-04
		2	.0150	.0090		
2	LAB 2	1	.0170	.0110	.00825	.5025E-04
		2	.0020	.0030		
3	LAB 3	1	-.0120	.0310	.00900	.5127E-03
		2	-.0090	.0260		
4	LAB 4	1	.0160	.0130	.02125	.1049E-03
		2	.0360	.0200		
5	LAB 6	1	-.0110	.0160	.00425	.1363E-03
		2	.0100	.0020		
6	LAB 9	1	-.0360	.0160	-.00925	.8516E-03
		2	-.0330	.0160		
7	LAB12	1	-.0130	-.0220	-.01575	.2025E-04
		2	-.0120	-.0160		
8	LAB14	1	-.0330	-.0140	-.02525	.1449E-03
		2	-.0380	-.0160		
9	LAB15	1	.0250	.0460	.03300	.2033E-03
		2	.0440	.0170		
10	LAB20	1	.0070	.0130	.01000	.8667E-04
		2	-.0010	.0210		
11	LAB21	1	.0100	.0190	.01425	.1958E-04
		2	.0110	.0170		
12	LAB22	1	.0170	.0140	.01650	.3000E-05
		2	.0180	.0170		
13	LAB23	1	-.4830	-.4820	-.48300	.6067E-04
		2	-.4930	-.4740		
14	LAB31	1	.0120	.0280	.02250	.5167E-04
		2	.0240	.0260		
15	LAB33	1	.0160	.0060	.01150	.3367E-04
		2	.0170	.0070		
16	LAB35	1	.0110	.0200	.01675	.3225E-04
		2	.0130	.0230		
17	LAB41	1	.0060	-.0090	.00200	.1753E-03
		2	.0190	-.0080		
18	LAB13	1	-.0470	-.0210	-.02600	.4140E-03
		2	0.0000	-.0360		
19	LAB16	1	.0070	.0010	.01200	.1153E-03
		2	.0260	.0140		
20	LAB18	1	.0170	.0160	.01550	.5667E-05
		2	.0170	.0120		
21	LAB21	1	.0160	.0030	.01000	.4867E-04
		2	.0160	.0050		
22	LAB22	1	.0170	.0180	.01675	.1583E-05
		2	.0150	.0170		
23	LAB25	1	.0230	.0530	.05325	.2820E-02
		2	.1280	.0090		
24	LAB26	1	.0100	.0150	.00475	.9492E-04
		2	-.0070	.0010		
25	LAB33	1	.0120	.0120	.01225	.4250E-05
		2	.0150	.0100		
26	LAB40	1	.0450	.0440	.04900	.7313E-03
		2	.0210	.0860		

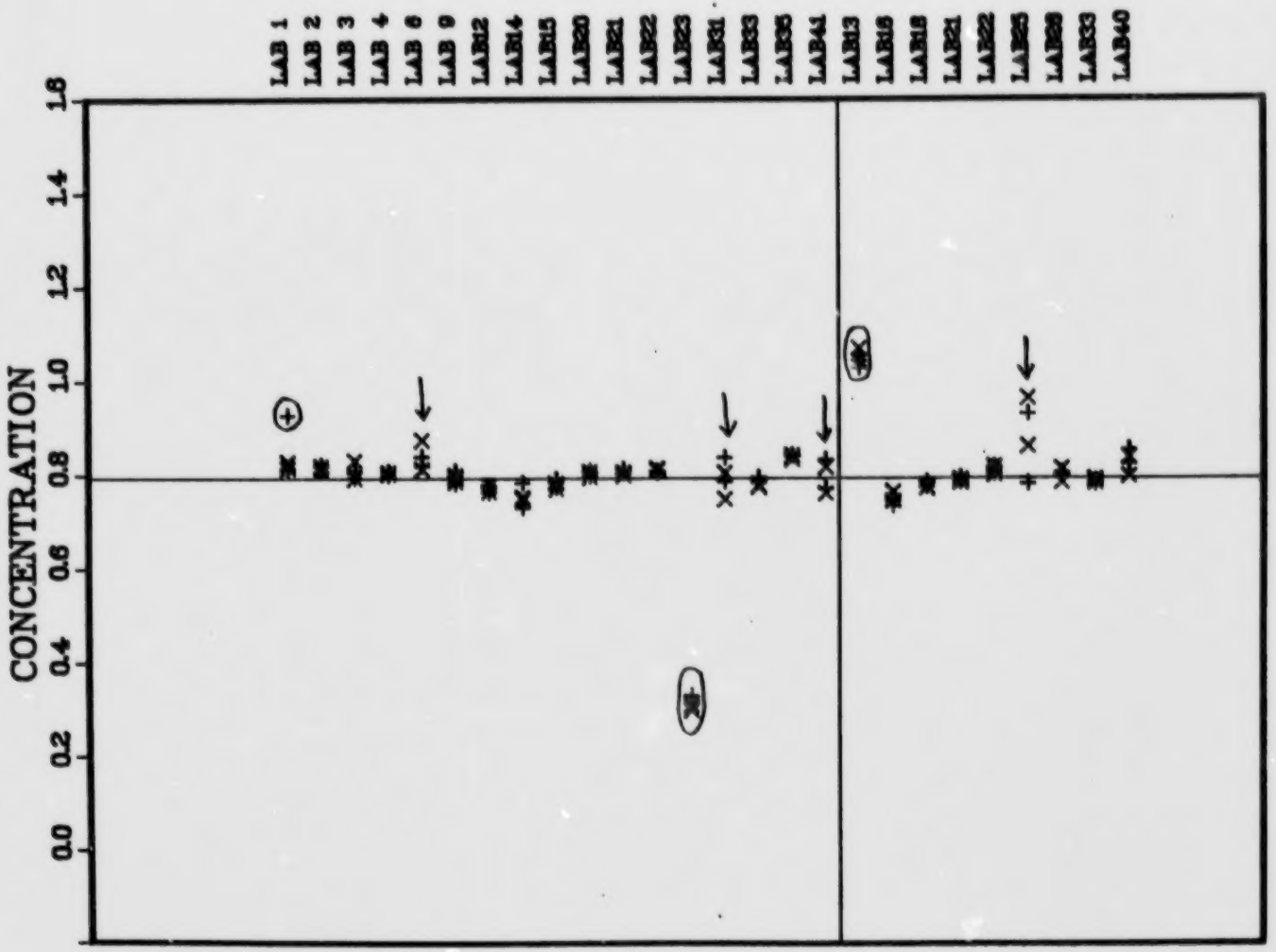


Figure 2. SI 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE: 83-17 LOSS CORRECTED ALPHA

Table 2. Si 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 83-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.8160	.8290	.84575	.3070E-02
		2	.9280	.8100		
2	LAB 2	1	.8110	.8200	.81550	.4167E-04
		2	.8220	.8090		
3	LAB 3	1	.7940	.8320	.80800	.3167E-03
		2	.7950	.8110		
4	LAB 4	1	.8030	.8060	.80475	.1225E-04
		2	.8090	.8010		
5	LAB 6	1	.8760	.8140	.83800	.7727E-03
		2	.8410	.8210		
6	LAB 9	1	.7870	.8010	.79475	.1549E-03
		2	.7820	.8090		
7	LAB12	1	.7800	.7660	.77150	.5967E-04
		2	.7760	.7640		
8	LAB14	1	.7540	.7490	.75475	.5043E-03
		2	.7310	.7850		
9	LAB15	1	.7720	.7840	.78050	.8633E-04
		2	.7740	.7920		
10	LAB20	1	.7970	.8080	.80275	.3692E-04
		2	.7980	.8080		
11	LAB21	1	.8000	.8070	.80650	.3367E-04
		2	.8140	.8050		
12	LAB22	1	.8120	.8150	.81075	.1425E-04
		2	.8060	.8100		
13	LAB23	1	.3090	.2990	.31350	.1697E-03
		2	.3300	.3160		
14	LAB31	1	.8060	.7500	.79550	.1382E-02
		2	.8390	.7870		
15	LAB33	1	.7790	.7750	.78400	.8467E-04
		2	.7960	.7860		
16	LAB35	1	.8430	.8340	.84075	.2025E-04
		2	.8430	.8430		
17	LAB41	1	.8180	.7620	.79650	.1220E-02
		2	.8340	.7720		
18	LAB13	1	1.0450	1.0710	1.04750	.3023E-03
		2	1.0290	1.0450		
19	LAB16	1	.7650	.7450	.74750	.1583E-03
		2	.7350	.7450		
20	LAB18	1	.7750	.7720	.77725	.3692E-04
		2	.7860	.7760		
21	LAB21	1	.7910	.7850	.78925	.2158E-04
		2	.7950	.7860		
22	LAB22	1	.8190	.8010	.81000	.9667E-04
		2	.8020	.8180		
23	LAB25	1	.8620	.9650	.88500	.6551E-02
		2	.7820	.9310		
24	LAB26	1	.8140	.7850	.80025	.1516E-03
		2	.8050	.7970		
25	LAB33	1	.7910	.7840	.78625	.1625E-04
		2	.7820	.7880		
26	LAB40	1	.7980	.8390	.82900	.5673E-03
		2	.8250	.8540		

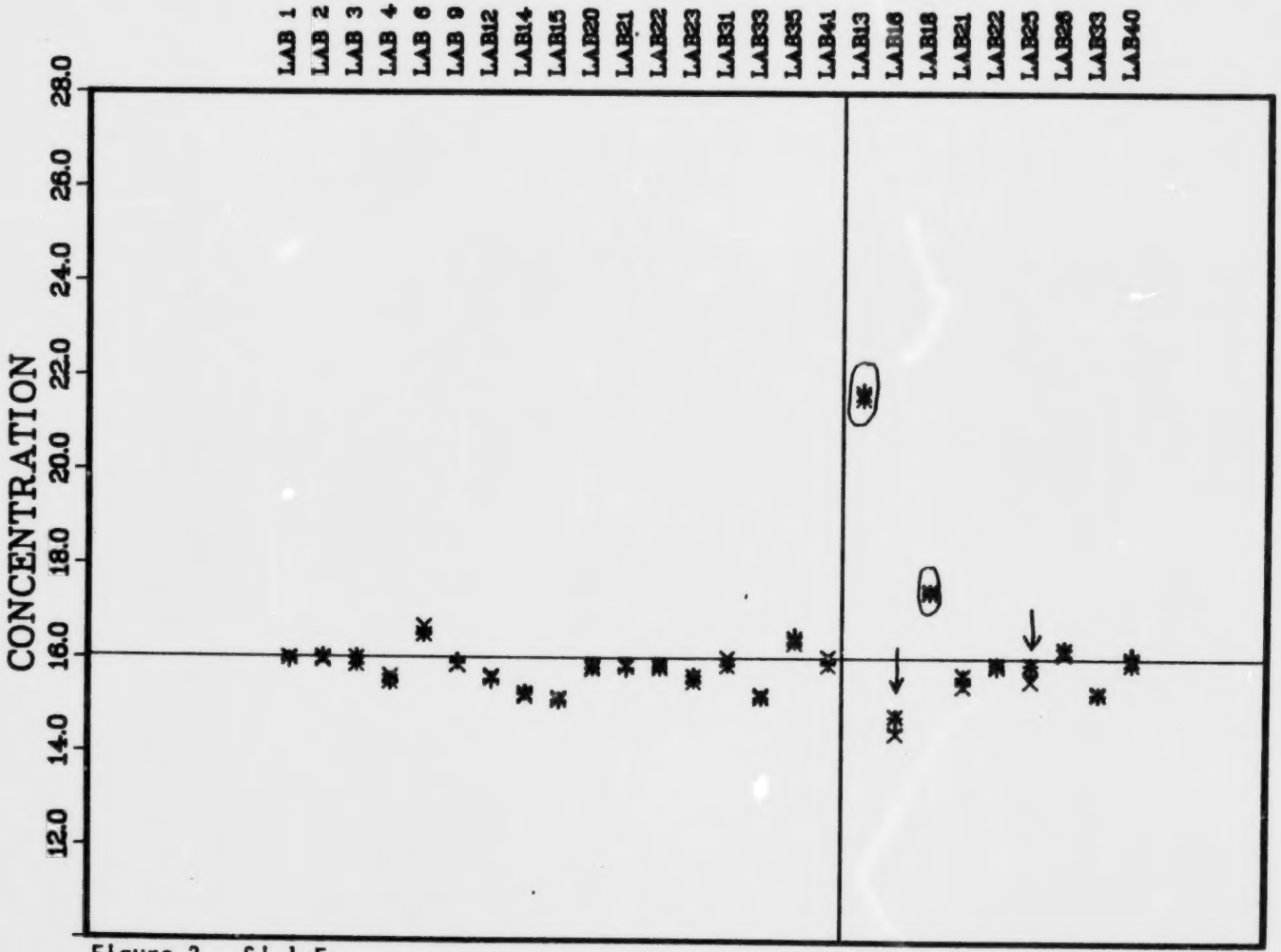


Figure 2. SI I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE: 77-6 LOSS ON FUSION CORRECTED

Table 2. Si I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 77-8 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	16.0220	16.0090	15.98975	.1153E-02
		2	15.9450	15.9830		
2	LAB 2	1	16.0340	15.9710	16.02725	.1511E-02
		2	16.0450	16.0590		
3	LAB 3	1	16.0280	15.8850	15.96250	.7776E-02
		2	16.0490	15.8880		
4	LAB 4	1	15.5160	15.6410	15.55225	.4164E-02
		2	15.5570	15.4950		
5	LAB 6	1	16.6980	16.5250	16.57875	.6869E-02
		2	16.5720	16.5200		
6	LAB 9	1	15.8930	15.8800	15.91750	.1618E-02
		2	15.9270	15.9700		
7	LAB12	1	15.6000	15.6480	15.58625	.2564E-02
		2	15.5280	15.5690		
8	LAB14	1	15.2140	15.2750	15.26650	.1406E-02
		2	15.2740	15.3030		
9	LAB15	1	15.1370	15.1760	15.13825	.8682E-03
		2	15.1360	15.1040		
10	LAB20	1	15.8080	15.8530	15.83050	.3657E-03
		2	15.8370	15.8240		
11	LAB21	1	15.8660	15.8590	15.83250	.1412E-02
		2	15.7850	15.8200		
12	LAB22	1	15.8890	15.8330	15.85650	.1150E-02
		2	15.8220	15.8820		
13	LAB23	1	15.5360	15.6540	15.60700	.4315E-02
		2	15.5670	15.6710		
14	LAB31	1	16.0430	15.8830	15.93375	.5468E-02
		2	15.9140	15.8950		
15	LAB33	1	15.2530	15.1990	15.20900	.8740E-03
		2	15.1900	15.1940		
16	LAB35	1	16.3630	16.4610	16.43250	.5065E-02
		2	16.3870	16.5190		
17	LAB41	1	16.0660	15.8900	15.96525	.5748E-02
		2	15.9760	15.9290		
18	LAB13	1	21.5510	21.6690	21.61825	.9280E-02
		2	21.5250	21.7280		
19	LAB16	1	14.4360	14.8080	14.64000	.3494E-01
		2	14.5270	14.7890		
20	LAB18	1	17.4640	17.4260	17.44250	.5717E-03
		2	17.4620	17.4180		
21	LAB21	1	15.4490	15.6840	15.57175	.1251E-01
		2	15.5070	15.6470		
22	LAB22	1	15.8690	15.9150	15.88525	.1675E-02
		2	15.8350	15.9220		
23	LAB25	1	15.5710	15.9230	15.78450	.2854E-01
		2	15.7270	15.9170		
24	LAB26	1	16.1440	16.2480	16.23525	.3857E-02
		2	16.2750	16.2740		
25	LAB33	1	15.3250	15.2960	15.29850	.3603E-03
		2	15.2930	15.2800		
26	LAB40	1	15.9440	16.0500	16.01475	.1134E-01
		2	16.1490	15.9160		

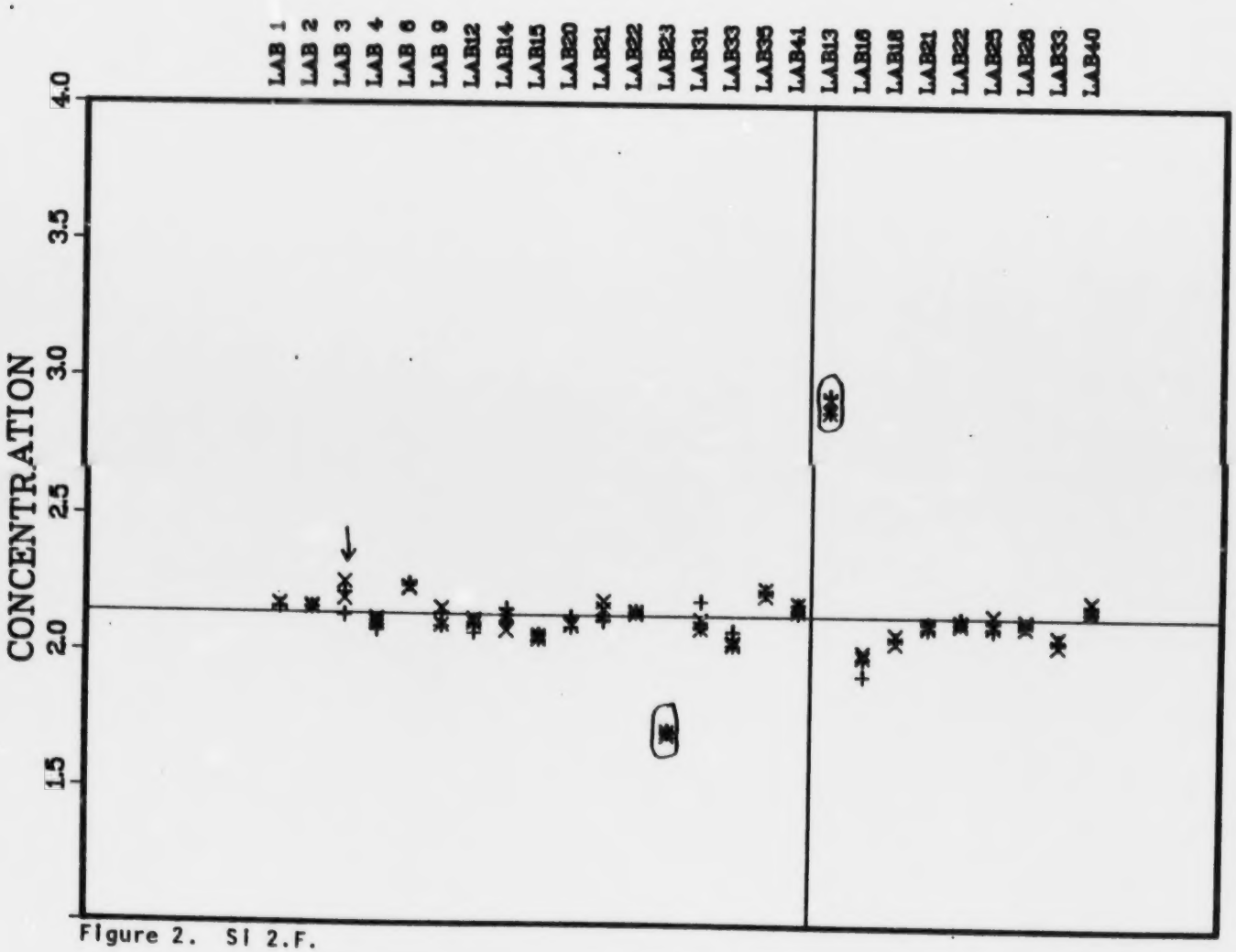


Figure 2. SI 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE 79–4 LOSS ON FUSION CORRECTED

Table 2. Si 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	2.1740	2.1740	2.16825	.4558E-04
		2	2.1610	2.1640		
2	LAB 2	1	2.1620	2.1670	2.16350	.7000E-05
		2	2.1610	2.1640		
3	LAB 3	1	2.2580	2.1960	2.20125	.2673E-02
		2	2.2170	2.1340		
4	LAB 4	1	2.1100	2.1240	2.10825	.3389E-03
		2	2.1170	2.0820		
5	LAB 6	1	2.2350	2.2400	2.24350	.5633E-04
		2	2.2470	2.2520		
6	LAB 9	1	2.1040	2.1450	2.12950	.1054E-02
		2	2.1000	2.1490		
7	LAB12	1	2.1120	2.1250	2.10700	.4580E-03
		2	2.1150	2.0760		
8	LAB14	1	2.0860	2.1420	2.12650	.1148E-02
		2	2.1140	2.1640		
9	LAB15	1	2.0680	2.0560	2.06225	.6158E-04
		2	2.0700	2.0550		
10	LAB20	1	2.1080	2.1070	2.11275	.2529E-03
		2	2.1000	2.1360		
11	LAB21	1	2.1960	2.1660	2.15250	.1239E-02
		2	2.1210	2.1270		
12	LAB22	1	2.1490	2.1570	2.15450	.1967E-04
		2	2.1530	2.1590		
13	LAB23	1	1.7020	1.7170	1.71275	.6225E-04
		2	1.7200	1.7120		
14	LAB31	1	2.0980	2.1290	2.13075	.2093E-02
		2	2.1000	2.1960		
15	LAB33	1	2.0370	2.0450	2.05125	.5843E-03
		2	2.0870	2.0360		
16	LAB35	1	2.2180	2.2430	2.23100	.1127E-03
		2	2.2280	2.2350		
17	LAB41	1	2.1900	2.1600	2.17300	.3260E-03
		2	2.1870	2.1550		
18	LAB13	1	2.8840	2.9320	2.91050	.9923E-03
		2	2.8830	2.9430		
19	LAB16	1	1.9970	2.0130	1.98175	.1468E-02
		2	1.9260	1.9910		
20	LAB18	1	2.0790	2.0480	2.06300	.1620E-03
		2	2.0610	2.0640		
21	LAB21	1	2.1070	2.1160	2.11150	.7367E-04
		2	2.1020	2.1210		
22	LAB22	1	2.1170	2.1280	2.12600	.7400E-04
		2	2.1220	2.1370		
23	LAB25	1	2.1110	2.1520	2.11750	.5497E-03
		2	2.1070	2.1000		
24	LAB26	1	2.1330	2.1100	2.12125	.8825E-04
		2	2.1210	2.1210		
25	LAB33	1	2.0430	2.0750	2.05975	.1796E-03
		2	2.0640	2.0570		
26	LAB40	1	2.1710	2.2050	2.17675	.3629E-03
		2	2.1640	2.1670		

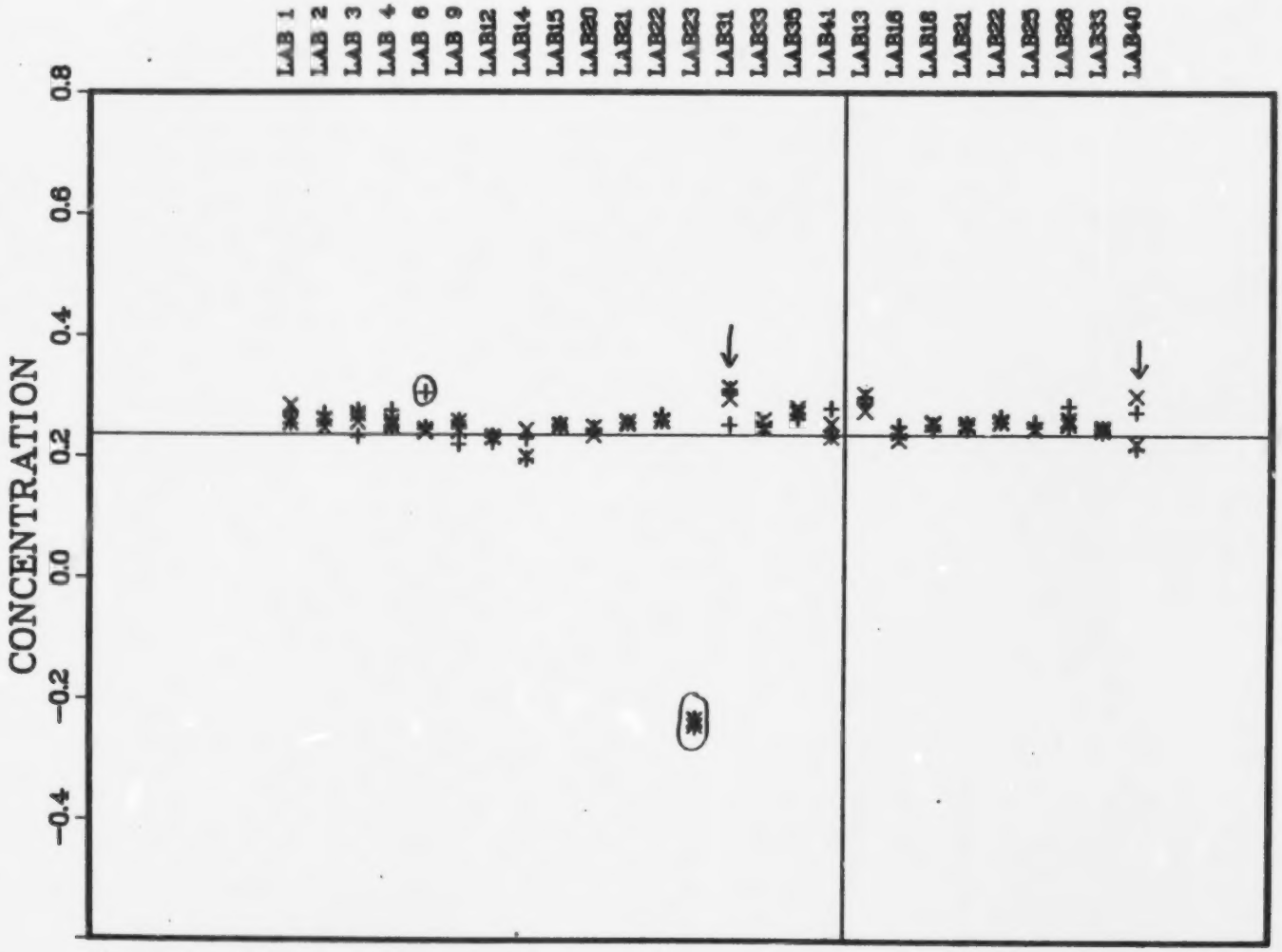


Figure 2. SI 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE: 79–13 LOSS ON FUSION CORRECTED

Table 2. Si 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2560	.2850	.26700	.2047E-03
		2	.2550	.2720		
2	LAB 2	1	.2480	.2620	.26025	.8958E-04
		2	.2600	.2710		
3	LAB 3	1	.2580	.2710	.25950	.3697E-03
		2	.2330	.2760		
4	LAB 4	1	.2580	.2510	.25950	.1457E-03
		2	.2520	.2770		
5	LAB 6	1	.2450	.2410	.25975	.9569E-03
		2	.3060	.2470		
6	LAB 9	1	.2430	.2590	.24575	.3329E-03
		2	.2210	.2600		
7	LAB12	1	.2320	.2330	.23075	.2092E-04
		2	.2340	.2240		
8	LAB14	1	.2010	.2450	.21825	.5569E-03
		2	.1960	.2310		
9	LAB15	1	.2520	.2530	.25225	.2917E-05
		2	.2540	.2500		
10	LAB20	1	.2360	.2500	.24400	.3667E-04
		2	.2430	.2470		
11	LAB21	1	.2560	.2590	.25725	.1583E-05
		2	.2570	.2570		
12	LAB22	1	.2620	.2600	.26275	.1825E-04
		2	.2690	.2600		
13	LAB23	1	-.2320	-.2430	-.23800	.5800E-04
		2	-.2310	-.2460		
14	LAB31	1	.2970	.3150	.29450	.7910E-03
		2	.3120	.2940		
15	LAB33	1	.2490	.2630	.25525	.3758E-04
		2	.2570	.2520		
16	LAB35	1	.2820	.2740	.27300	.6067E-04
		2	.2630	.2730		
17	LAB41	1	.2560	.2340	.25150	.4897E-03
		2	.2810	.2350		
18	LAB13	1	.2770	.3050	.29300	.1527E-03
		2	.2900	.3000		
19	LAB16	1	.2420	.2290	.23925	.1009E-03
		2	.2340	.2520		
20	LAB18	1	.2580	.2560	.25350	.2767E-04
		2	.2540	.2460		
21	LAB21	1	.2550	.2520	.25225	.2025E-04
		2	.2560	.2460		
22	LAB22	1	.2590	.2600	.26125	.1492E-04
		2	.2590	.2670		
23	LAB25	1	.2460	.2480	.25075	.2758E-04
		2	.2510	.2580		
24	LAB26	1	.2550	.2630	.26350	.2303E-03
		2	.2510	.2850		
25	LAB33	1	.2440	.2490	.24575	.1092E-04
		2	.2420	.2480		
26	LAB40	1	.2230	.3020	.25375	.1742E-02
		2	.2150	.2750		

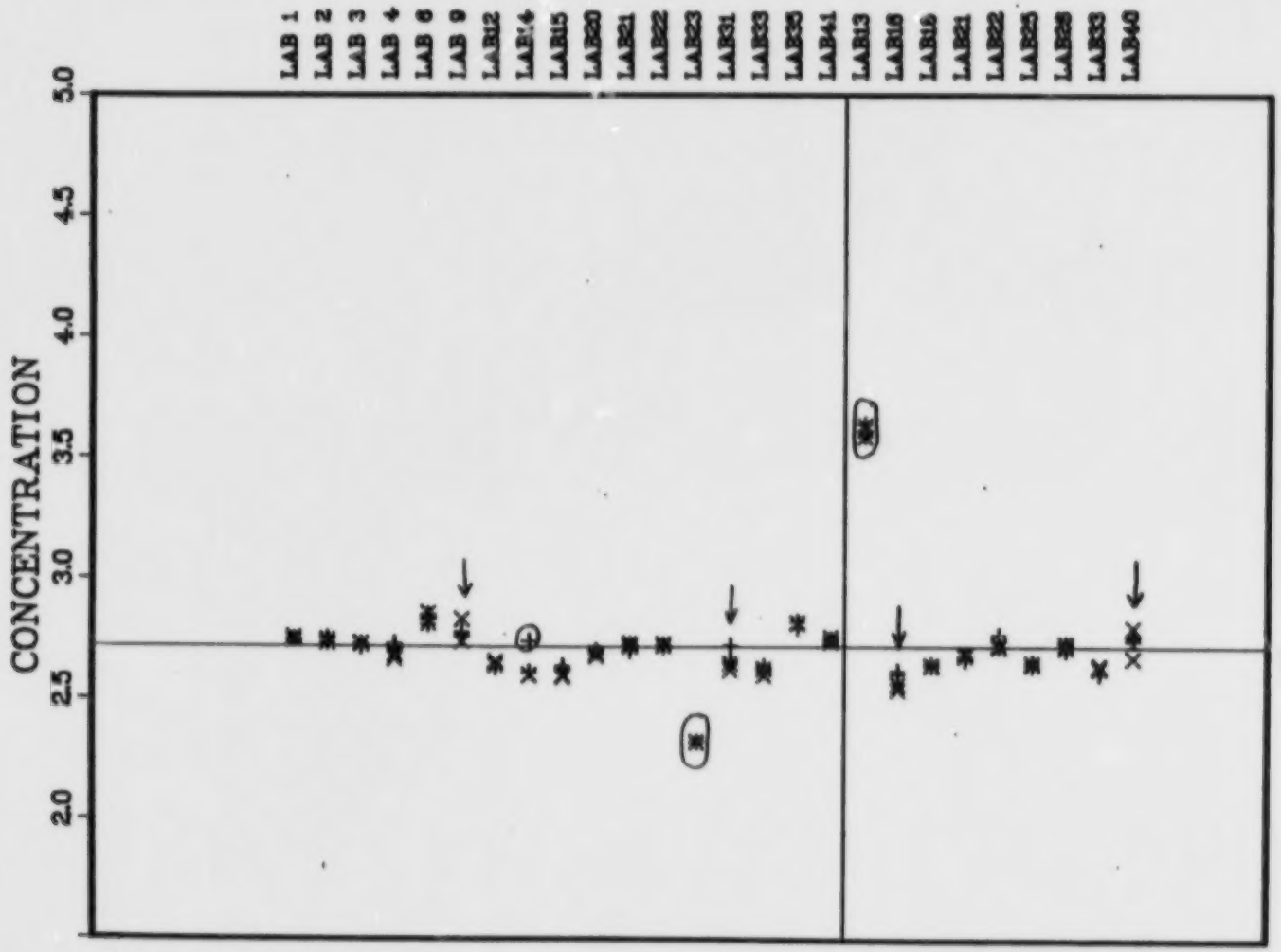


Figure 2. SI 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE 83-1 LOSS ON FUSION CORRECTED

Table 2. Si 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	2.7570	2.7450	2.74900	.3200E-04
		2	2.7490	2.7450		
2	LAB 2	1	2.7470	2.7330	2.74150	.1023E-03
		2	2.7530	2.7330		
3	LAB 3	1	2.7320	2.7280	2.72625	.4958E-04
		2	2.7290	2.7160		
4	LAB 4	1	2.6680	2.6870	2.69700	.6887E-03
		2	2.7030	2.7300		
5	LAB 6	1	2.8580	2.8150	2.83300	.6047E-03
		2	2.8090	2.8500		
6	LAB 9	1	2.7400	2.8320	2.77825	.1539E-02
		2	2.7790	2.7620		
7	LAB12	1	2.6580	2.6430	2.64200	.1353E-03
		2	2.6320	2.6350		
8	LAB14	1	2.6000	2.6030	2.64000	.4751E-02
		2	2.6140	2.7430		
9	LAB15	1	2.5930	2.6030	2.61475	.4389E-03
		2	2.6230	2.6400		
10	LAB20	1	2.6810	2.6930	2.69275	.8825E-04
		2	2.6930	2.7040		
11	LAB21	1	2.7210	2.7320	2.72100	.2007E-03
		2	2.7010	2.7300		
12	LAB22	1	2.7240	2.7320	2.72550	.3567E-04
		2	2.7180	2.7280		
13	LAB23	1	2.3250	2.3210	2.32350	.3667E-05
		2	2.3230	2.3250		
14	LAB31	1	2.6240	2.6510	2.66600	.1866E-02
		2	2.7260	2.6630		
15	LAB33	1	2.6010	2.6280	2.62150	.2603E-03
		2	2.6180	2.6390		
16	LAB35	1	2.8190	2.8150	2.81325	.1429E-03
		2	2.7960	2.8230		
17	LAB41	1	2.7590	2.7380	2.74750	.8833E-04
		2	2.7420	2.7510		
18	LAB13	1	3.5890	3.6370	3.61600	.8127E-03
		2	3.5940	3.6440		
19	LAB16	1	2.5400	2.5630	2.58225	.1373E-02
		2	2.6070	2.6190		
20	LAB18	1	2.6440	2.6400	2.64325	.1825E-04
		2	2.6400	2.6490		
21	LAB21	1	2.6820	2.6920	2.67975	.1243E-03
		2	2.6650	2.6800		
22	LAB22	1	2.7280	2.7190	2.73425	.5516E-03
		2	2.7690	2.7210		
23	LAB25	1	2.6460	2.6530	2.64900	.4600E-04
		2	2.6410	2.6560		
24	LAB26	1	2.7170	2.7330	2.72200	.1673E-03
		2	2.7320	2.7060		
25	LAB33	1	2.6320	2.6440	2.62525	.2423E-03
		2	2.6140	2.6110		
26	LAB40	1	2.6750	2.7990	2.74675	.2727E-02
		2	2.7640	2.7490		

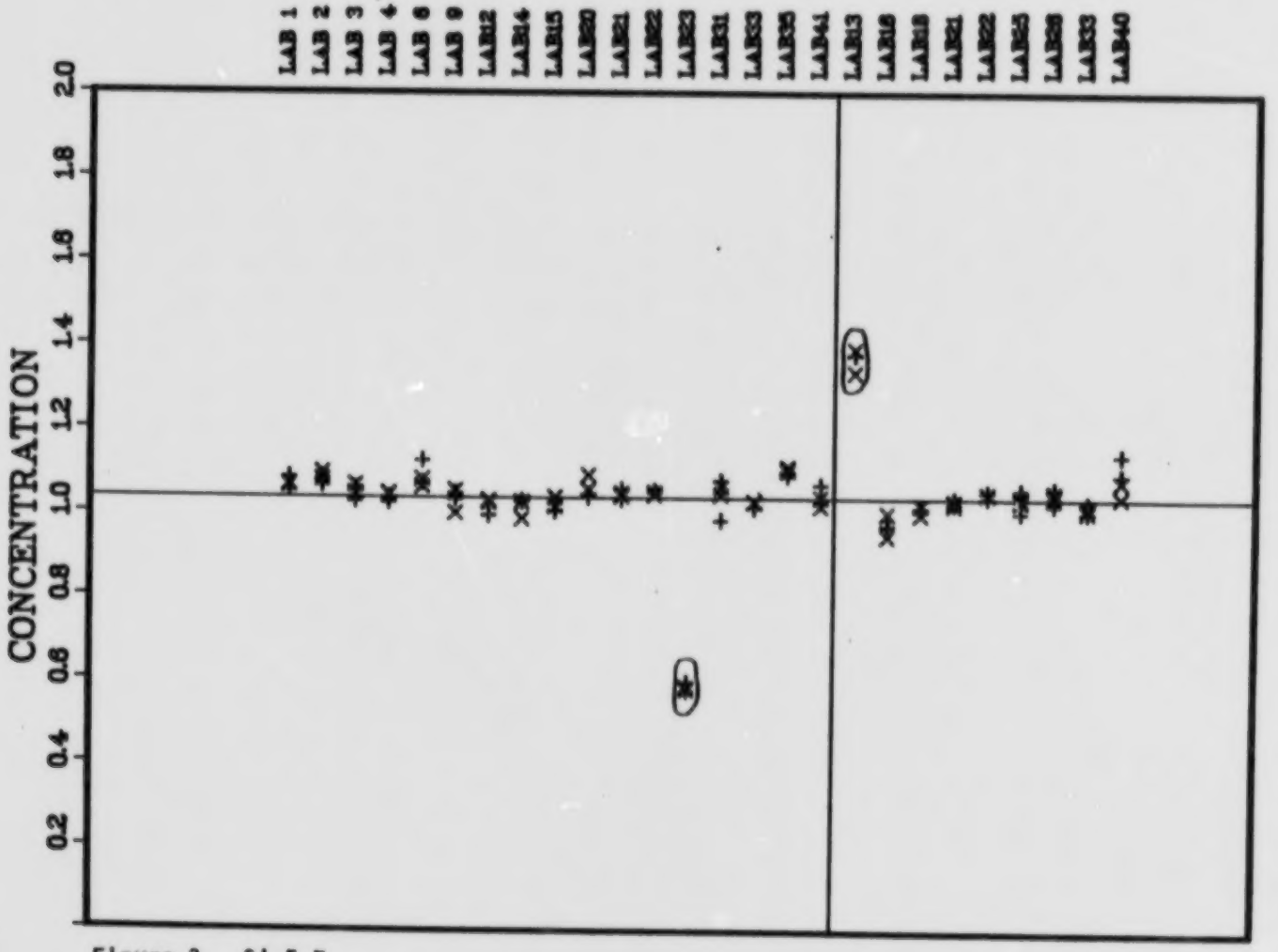


Figure 2. SI 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE 83-9 LOSS ON FUSION CORRECTED

Table 2. Si S.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.0640	1.0680	1.06675	.1636E-03
		2	1.0830	1.0520		
2	LAB 2	1	1.0950	1.0780	1.07750	.1697E-03
		2	1.0640	1.0730		
3	LAB 3	1	1.0460	1.0660	1.04900	.3027E-03
		2	1.0260	1.0580		
4	LAB 4	1	1.0460	1.0430	1.03750	.9500E-04
		2	1.0370	1.0240		
5	LAB 6	1	1.0630	1.0800	1.08475	.7682E-03
		2	1.1250	1.0710		
6	LAB 9	1	1.0000	1.0540	1.03375	.5843E-03
		2	1.0330	1.0480		
7	LAB12	1	1.0310	1.0260	1.01175	.3789E-03
		2	.9940	.9960		
8	LAB14	1	.9870	1.0270	1.01800	.4287E-03
		2	1.0280	1.0300		
9	LAB15	1	1.0390	1.0160	1.01700	.2367E-03
		2	1.0080	1.0050		
10	LAB20	1	1.0910	1.0560	1.05750	.5590E-03
		2	1.0370	1.0460		
11	LAB21	1	1.0410	1.0480	1.04500	.1127E-03
		2	1.0330	1.0580		
12	LAB22	1	1.0440	1.0500	1.05000	.2067E-04
		2	1.0510	1.0550		
13	LAB23	1	.5860	.5790	.58475	.9558E-04
		2	.5760	.5980		
14	LAB31	1	1.0450	1.0640	1.04275	.1717E-02
		2	1.0780	.9840		
15	LAB33	1	1.0280	1.0290	1.02175	.6158E-04
		2	1.0160	1.0140		
16	LAB35	1	1.1030	1.1110	1.10125	.7492E-04
		2	1.0900	1.1010		
17	LAB41	1	1.0400	1.0190	1.03925	.4943E-03
		2	1.0700	1.0280		
18	LAB13	1	1.3370	1.3920	1.37200	.5793E-03
		2	1.3790	1.3800		
19	LAB16	1	.9470	1.0020	.97350	.5057E-03
		2	.9720	.9730		
20	LAB18	1	1.0220	.9990	1.01175	.9092E-04
		2	1.0140	1.0120		
21	LAB21	1	1.0220	1.0310	1.02900	.5000E-04
		2	1.0380	1.0250		
22	LAB22	1	1.0490	1.0480	1.04775	.3358E-04
		2	1.0400	1.0540		
23	LAB25	1	1.0320	1.0370	1.03300	.4753E-03
		2	1.0580	1.0050		
24	LAB26	1	1.0420	1.0530	1.04500	.2820E-03
		2	1.0230	1.0620		
25	LAB33	1	1.0080	1.0180	1.01475	.1089E-03
		2	1.0050	1.0280		
26	LAB40	1	1.0420	1.0790	1.08925	.1714E-02
		2	1.0940	1.1420		

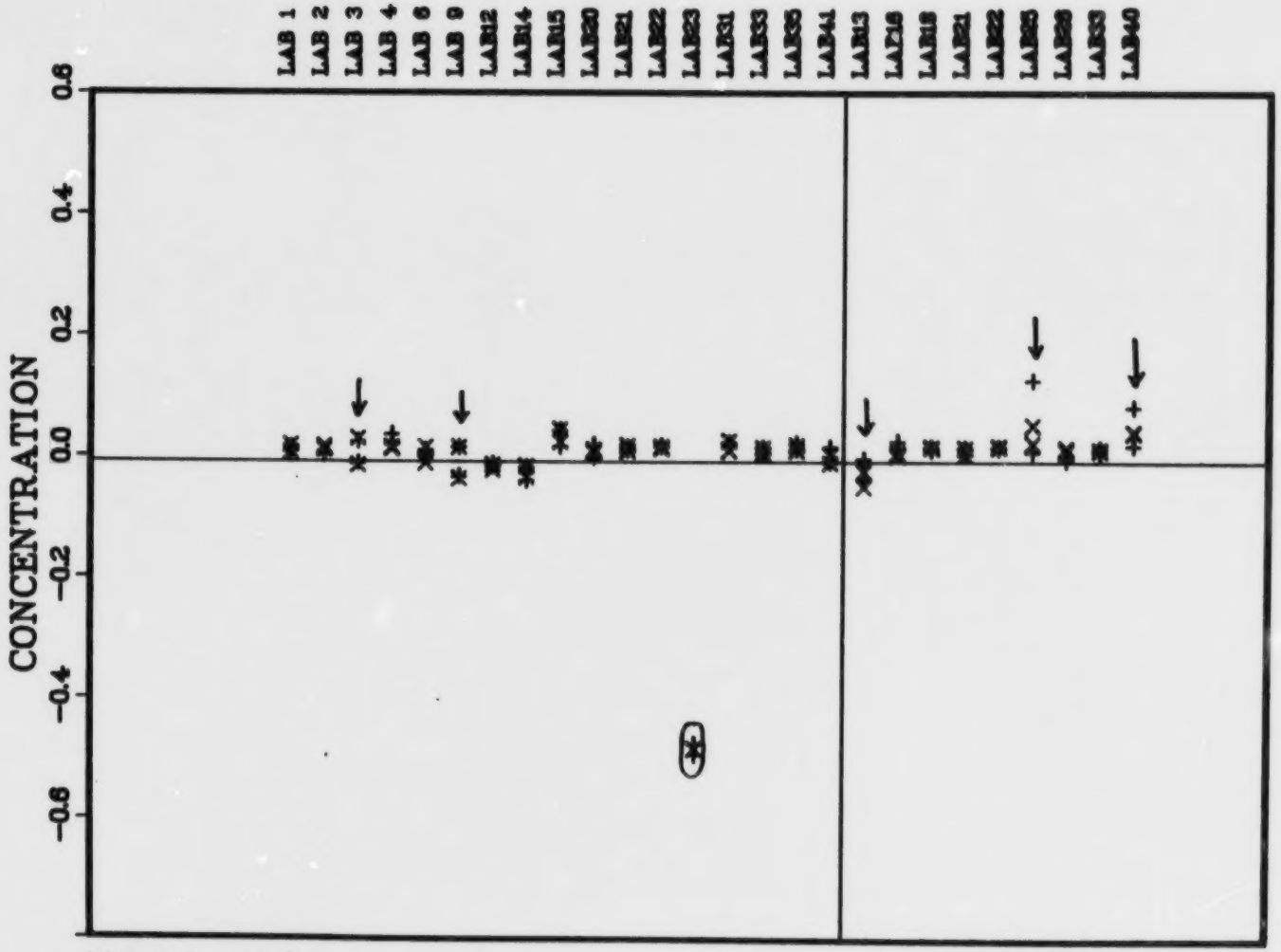


Figure 2. SI 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE: 83-16 LOSS ON FUSION CORRECTED

Table 2. Si 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0190	.0070	.01250	.3033E-04
		2	.0150	.0090		
2	LAB 2	1	.0170	.0110	.00825	.5025E-04
		2	.0020	.0030		
3	LAB 3	1	-.0140	.0300	.00750	.5390E-03
		2	-.0110	.0250		
4	LAB 4	1	.0160	.0130	.02150	.1150E-03
		2	.0370	.0200		
5	LAB 6	1	-.0110	.0160	.00425	.1363E-03
		2	.0100	.0020		
6	LAB 9	1	-.0360	.0160	-.00925	.8516E-03
		2	-.0330	.0160		
7	LAB12	1	-.0130	-.0220	-.01575	.2025E-04
		2	-.0120	-.0160		
8	LAB14	1	-.0340	-.0150	-.02625	.1449E-03
		2	-.0390	-.0170		
9	LAB15	1	.0250	.0460	.03300	.2033E-03
		2	.0440	.0170		
10	LAB20	1	.0070	.0120	.00950	.7767E-04
		2	-.0010	.0200		
11	LAB21	1	.0100	.0190	.01425	.1958E-04
		2	.0110	.0170		
12	LAB22	1	.0170	.0140	.01650	.3000E-05
		2	.0180	.0170		
13	LAB23	1	-.4830	-.4820	-.48300	.6067E-04
		2	-.4930	-.4740		
14	LAB31	1	.0110	.0270	.02100	.4867E-04
		2	.0220	.0240		
15	LAB33	1	.0160	.0060	.01125	.3025E-04
		2	.0160	.0070		
16	LAB35	1	.0110	.0200	.01675	.3225E-04
		2	.0130	.0230		
17	LAB41	1	.0040	-.0100	.00050	.1617E-03
		2	.0170	-.0090		
18	LAB13	1	-.0490	-.0240	-.02850	.3937E-03
		2	-.0030	-.0380		
19	LAB16	1	.0070	.0010	.01200	.1153E-03
		2	.0260	.0140		
20	LAB18	1	.0170	.0160	.01550	.5667E-05
		2	.0170	.0120		
21	LAB21	1	.0160	.0030	.01000	.4867E-04
		2	.0160	.0050		
22	LAB22	1	.0170	.0180	.01675	.1583E-05
		2	.0150	.0170		
23	LAB25	1	.0230	.0530	.05300	.2771E-02
		2	.1270	.0090		
24	LAB26	1	.0100	.0150	.00500	.8733E-04
		2	-.0060	.0010		
25	LAB33	1	.0120	.0120	.01200	.6000E-05
		2	.0150	.0090		
26	LAB40	1	.0410	.0420	.04625	.7129E-03
		2	.0190	.0830		

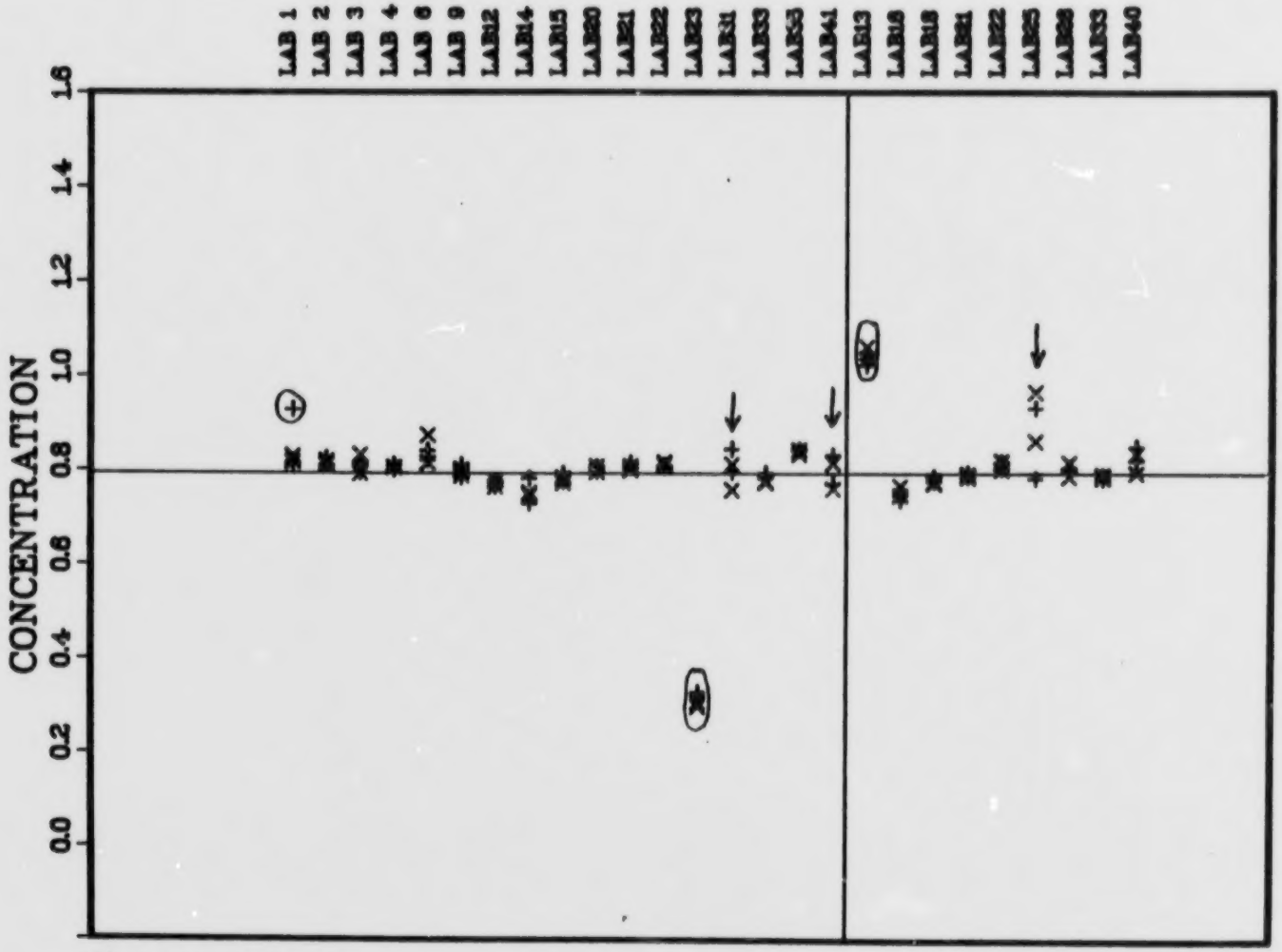


Figure 2. SI 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 SI

SAMPLE: 83–27 LOSS ON FUSION CORRECTED

Table 2. Si 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 SI
SAMPLE: 83-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.8170	.8300	.84675	.3070E-02
		2	.9290	.8110		
2	LAB 2	1	.8130	.8200	.81725	.4158E-04
		2	.8250	.8110		
3	LAB 3	1	.7930	.8330	.80850	.3477E-03
		2	.7950	.8130		
4	LAB 4	1	.8060	.8060	.80600	.1667E-04
		2	.8110	.8010		
5	LAB 6	1	.8750	.8160	.83875	.7076E-03
		2	.8420	.8220		
6	LAB 9	1	.7890	.8020	.79650	.1337E-03
		2	.7850	.8100		
7	LAB12	1	.7780	.7660	.77125	.3825E-04
		2	.7750	.7660		
8	LAB14	1	.7530	.7470	.75350	.5083E-03
		2	.7300	.7840		
9	LAB15	1	.7740	.7840	.78175	.7492E-04
		2	.7760	.7930		
10	LAB20	1	.7970	.8090	.80275	.3758E-04
		2	.7980	.8070		
11	LAB21	1	.8010	.8090	.80775	.3425E-04
		2	.8150	.8060		
12	LAB22	1	.8130	.8170	.81200	.1733E-04
		2	.8070	.8110		
13	LAB23	1	.3090	.2990	.31350	.1697E-03
		2	.3300	.3160		
14	LAB31	1	.8130	.7590	.80375	.1306E-02
		2	.8460	.7970		
15	LAB33	1	.7790	.7750	.78350	.7567E-04
		2	.7950	.7850		
16	LAB35	1	.8440	.8350	.84175	.2025E-04
		2	.8440	.8440		
17	LAB41	1	.8160	.7620	.79575	.1167E-02
		2	.8330	.7720		
18	LAB13	1	1.0380	1.0620	1.04000	.2620E-03
		2	1.0230	1.0370		
19	LAB16	1	.7670	.7470	.74975	.1569E-03
		2	.7370	.7480		
20	LAB18	1	.7770	.7730	.77875	.3492E-04
		2	.7870	.7780		
21	LAB21	1	.7920	.7860	.79000	.1800E-04
		2	.7950	.7870		
22	LAB22	1	.8210	.8020	.81150	.9767E-04
		2	.8040	.8190		
23	LAB25	1	.8630	.9670	.88675	.6567E-02
		2	.7840	.9330		
24	LAB26	1	.8170	.7880	.80300	.1487E-03
		2	.8070	.8000		
25	LAB33	1	.7910	.7850	.78725	.1492E-04
		2	.7830	.7900		
26	LAB40	1	.7950	.8370	.82650	.5717E-03
		2	.8230	.8510		

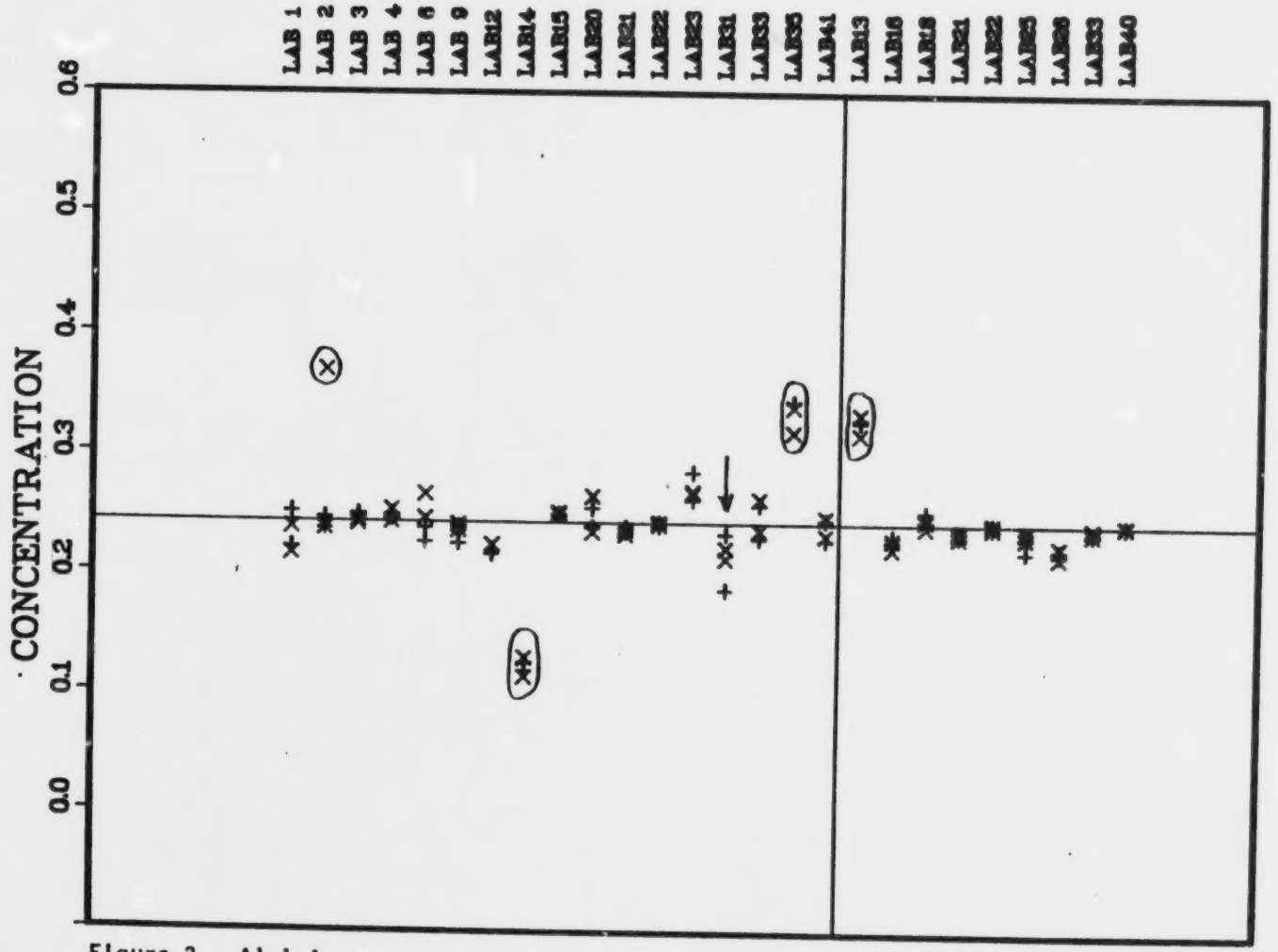


Figure 2. Al I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 AL

SAMPLE: 77-8 LOSS CORRECTED ALPHA

Table 2. Al I.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2160	.2380	.23150	.2577E-03
		2	.2210	.2510		
2	LAB 2	1	.2370	.3690	.27225	.4178E-02
		2	.2370	.2460		
3	LAB 3	1	.2410	.2440	.24525	.1225E-04
		2	.2470	.2490		
4	LAB 4	1	.2530	.2430	.24650	.1967E-04
		2	.2450	.2450		
5	LAB 6	1	.2660	.2460	.24400	.2827E-03
		2	.2380	.2260		
6	LAB 9	1	.2410	.2360	.23525	.5092E-04
		2	.2250	.2390		
7	LAB12	1	.2240	.2240	.22075	.1558E-04
		2	.2190	.2160		
8	LAB14	1	.1140	.1300	.12225	.5092E-04
		2	.1190	.1260		
9	LAB15	1	.2500	.2510	.25000	.6667E-06
		2	.2500	.2490		
10	LAB20	1	.2350	.2650	.24850	.1957E-03
		2	.2550	.2390		
11	LAB21	1	.2370	.2330	.23600	.6667E-05
		2	.2390	.2350		
12	LAB22	1	.2430	.2410	.24175	.2250E-05
		2	.2400	.2430		
13	LAB23	1	.2670	.2690	.27075	.9892E-04
		2	.2850	.2620		
14	LAB31	1	.2130	.2220	.21400	.3980E-03
		2	.2340	.1870		
15	LAB33	1	.2370	.2630	.24700	.2553E-03
		2	.2300	.2580		
16	LAB35	1	.3400	.3190	.33675	.1436E-03
		2	.3440	.3440		
17	LAB41	1	.2480	.2330	.23900	.8867E-04
		2	.2460	.2290		
18	LAB13	1	.3170	.3340	.32725	.5292E-04
		2	.3280	.3300		
19	LAB16	1	.2220	.2300	.22850	.2167E-04
		2	.2330	.2290		
20	LAB18	1	.2460	.2400	.24600	.2867E-04
		2	.2530	.2450		
21	LAB21	1	.2360	.2320	.23450	.3667E-05
		2	.2370	.2330		
22	LAB22	1	.2400	.2430	.24150	.3000E-05
		2	.2400	.2430		
23	LAB25	1	.2370	.2320	.23050	.5367E-04
		2	.2200	.2330		
24	LAB26	1	.2160	.2250	.22025	.1625E-04
		2	.2180	.2220		
25	LAB33	1	.2360	.2400	.23725	.3583E-05
		2	.2370	.2360		
26	LAB40	1	.2430	.2430	.24275	.2500E-06
		2	.2430	.2420		

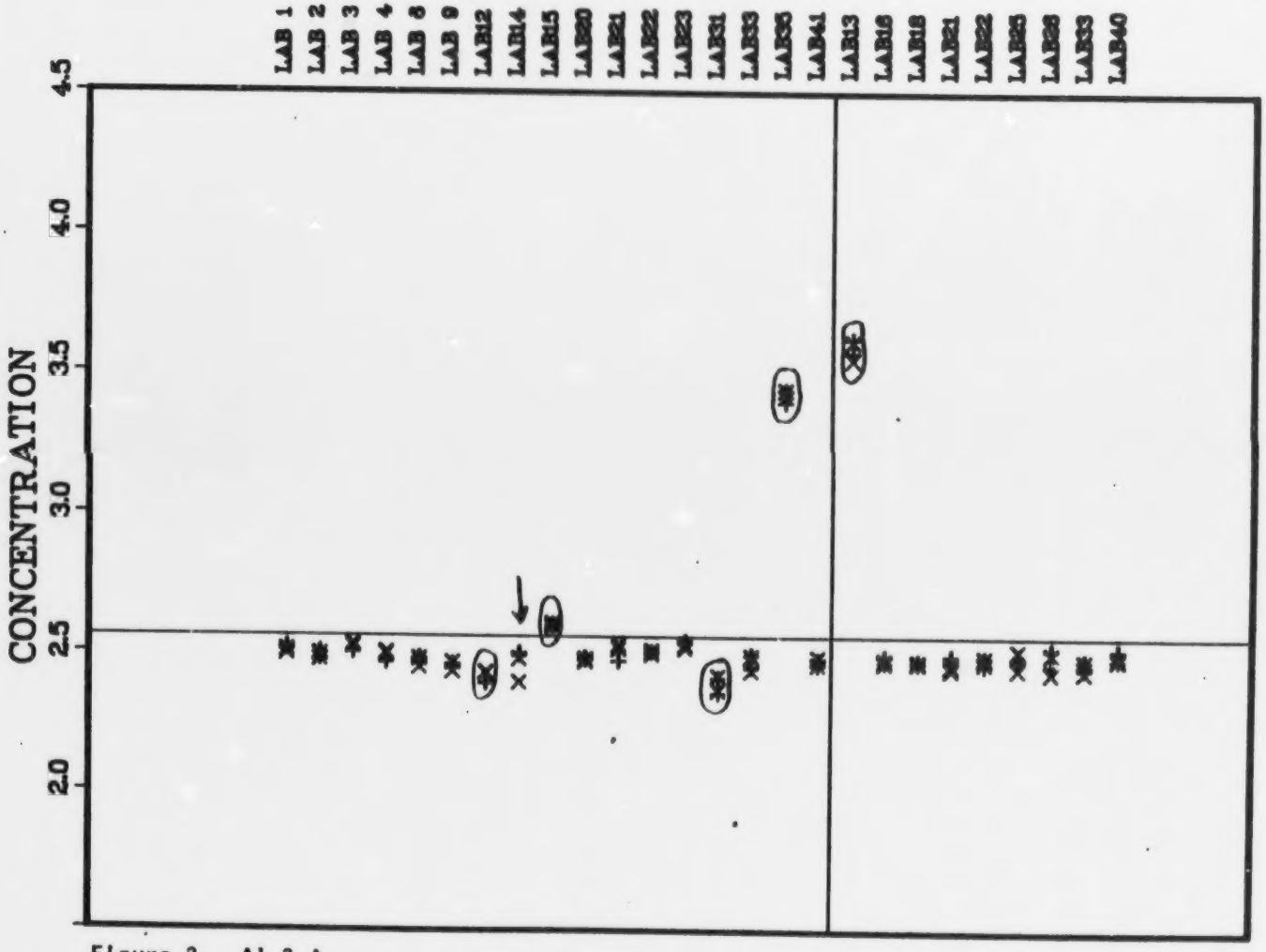


Figure 2. Al 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 AL

SAMPLE 79-4 LOSS CORRECTED ALPHA

Table 2. Al 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	2.4940	2.5080	2.50675	.9025E-04
		2	2.5080	2.5170		
2	LAB 2	1	2.4730	2.4920	2.48425	.1449E-03
		2	2.4750	2.4970		
3	LAB 3	1	2.5190	2.5310	2.51250	.2330E-03
		2	2.4990	2.5010		
4	LAB 4	1	2.5010	2.4940	2.48100	.3753E-03
		2	2.4620	2.4670		
5	LAB 6	1	2.4470	2.4780	2.46675	.2383E-03
		2	2.4800	2.4620		
6	LAB 9	1	2.4320	2.4650	2.45125	.2023E-03
		2	2.4500	2.4580		
7	LAB12	1	2.4310	2.4270	2.40975	.4983E-03
		2	2.3890	2.3920		
8	LAB14	1	2.3940	2.4790	2.46550	.2339E-02
		2	2.4900	2.4990		
9	LAB15	1	2.6050	2.5930	2.59750	.5100E-04
		2	2.6020	2.5900		
10	LAB20	1	2.4700	2.4790	2.47700	.3000E-04
		2	2.4830	2.4760		
11	LAB21	1	2.5180	2.5330	2.49900	.9740E-03
		2	2.4730	2.4720		
12	LAB22	1	2.4970	2.5100	2.50400	.3267E-04
		2	2.5020	2.5070		
13	LAB23	1	2.5310	2.5180	2.53250	.1270E-03
		2	2.5450	2.5360		
14	LAB31	1	2.4200	2.3670	2.38925	.1015E-02
		2	2.3570	2.4130		
15	LAB33	1	2.4910	2.4390	2.46875	.8069E-03
		2	2.4950	2.4500		
16	LAB35	1	3.4210	3.4430	3.42600	.4227E-03
		2	3.4410	3.3990		
17	LAB41	1	2.4880	2.4620	2.47225	.1829E-03
		2	2.4790	2.4600		
18	LAB13	1	3.5500	3.6160	3.59225	.1240E-02
		2	3.5770	3.6260		
19	LAB16	1	2.4680	2.4780	2.47700	.1047E-03
		2	2.4710	2.4910		
20	LAB18	1	2.4730	2.4670	2.47075	.2025E-04
		2	2.4760	2.4670		
21	LAB21	1	2.4590	2.4450	2.46725	.4469E-03
		2	2.4950	2.4700		
22	LAB22	1	2.4700	2.4900	2.47725	.1983E-03
		2	2.4610	2.4880		
23	LAB25	1	2.4470	2.5140	2.48200	.7593E-03
		2	2.4870	2.4800		
24	LAB26	1	2.4340	2.5030	2.47950	.1459E-02
		2	2.4630	2.5180		
25	LAB33	1	2.4790	2.4390	2.46250	.4330E-03
		2	2.4810	2.4510		
26	LAB40	1	2.4910	2.4840	2.49425	.2616E-03
		2	2.4840	2.5180		

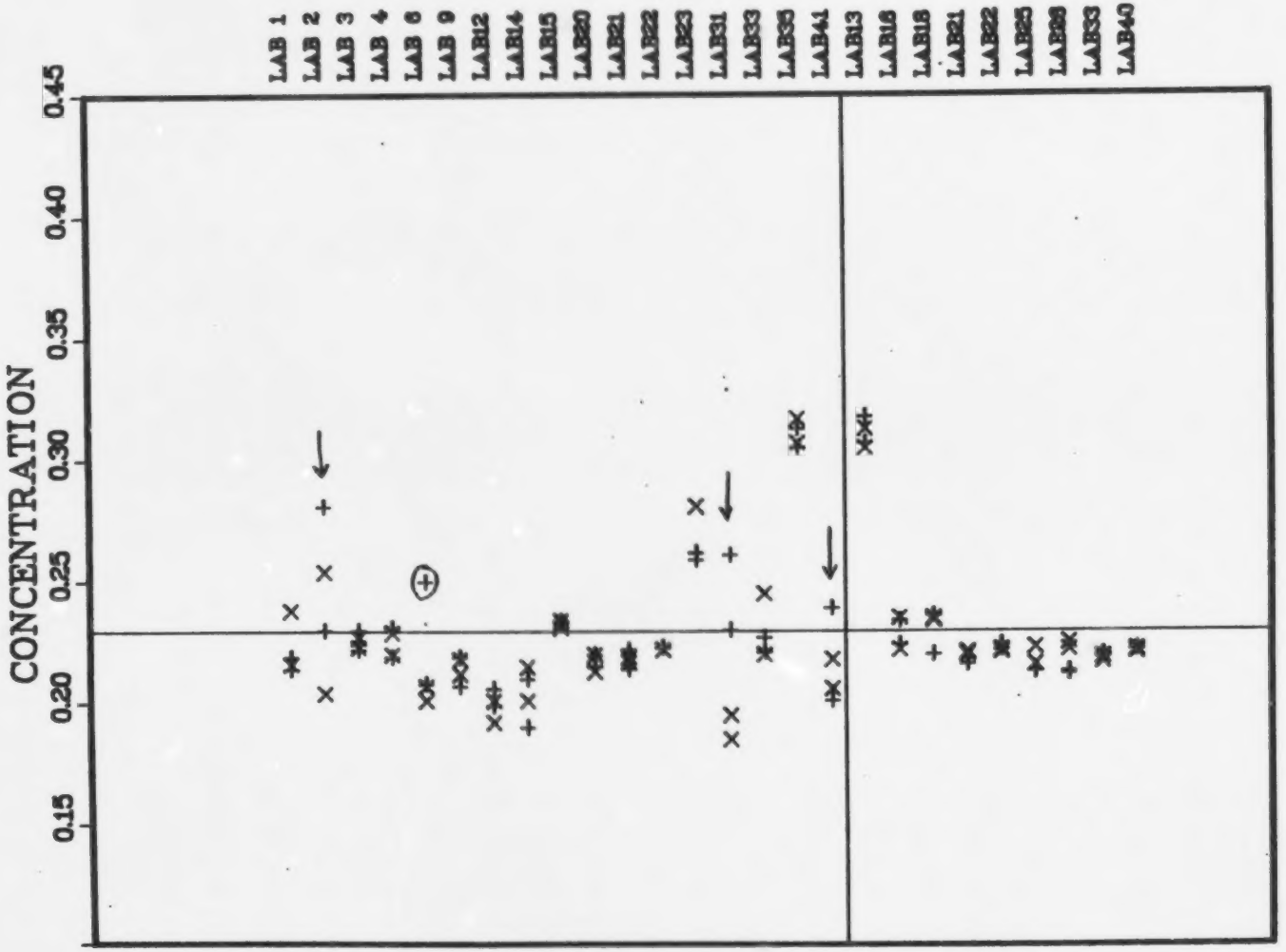


Figure 2. Al 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 AL

SAMPLE: 79–13 LOSS CORRECTED ALPHA

Table 2. Al 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2160	.2380	.22175	.1216E-03
		2	.2140	.2190		
2	LAB 2	1	.2040	.2540	.24225	.1084E-02
		2	.2810	.2300		
3	LAB 3	1	.2230	.2270	.22550	.1367E-04
		2	.2220	.2300		
4	LAB 4	1	.2200	.2290	.22475	.3758E-04
		2	.2190	.2310		
5	LAB 6	1	.2070	.2010	.21650	.5083E-03
		2	.2500	.2080		
6	LAB 9	1	.2120	.2180	.21400	.3133E-04
		2	.2070	.2190		
7	LAB12	1	.1920	.2010	.19950	.3367E-04
		2	.1990	.2060		
8	LAB14	1	.2010	.2150	.20400	.1207E-03
		2	.1900	.2100		
9	LAB15	1	.2310	.2340	.23300	.2000E-05
		2	.2330	.2340		
10	LAB20	1	.2130	.2200	.21700	.1267E-04
		2	.2150	.2200		
11	LAB21	1	.2190	.2170	.21800	.1133E-04
		2	.2220	.2140		
12	LAB22	1	.2220	.2220	.22250	.3333E-06
		2	.2230	.2230		
13	LAB23	1	.2810	.2810	.27075	.1416E-03
		2	.2620	.2590		
14	LAB31	1	.1850	.1950	.21775	.1204E-02
		2	.2610	.2300		
15	LAB33	1	.2200	.2450	.22825	.1342E-03
		2	.2210	.2270		
16	LAB35	1	.3170	.3070	.31050	.3033E-04
		2	.3050	.3130		
17	LAB41	1	.2180	.2060	.21600	.2860E-03
		2	.2390	.2010		
18	LAB13	1	.3050	.3130	.31075	.3492E-04
		2	.3070	.3180		
19	LAB16	1	.2350	.2220	.22875	.4492E-04
		2	.2340	.2240		
20	LAB18	1	.2350	.2340	.23125	.5692E-04
		2	.2200	.2360		
21	LAB21	1	.2200	.2210	.21875	.4917E-05
		2	.2180	.2160		
22	LAB22	1	.2220	.2210	.22225	.1583E-05
		2	.2240	.2220		
23	LAB25	1	.2230	.2160	.21625	.2225E-04
		2	.2130	.2130		
24	LAB26	1	.2250	.2220	.21800	.4200E-04
		2	.2130	.2120		
25	LAB33	1	.2190	.2170	.21875	.1583E-05
		2	.2200	.2190		
26	LAB40	1	.2220	.2210	.22175	.2500E-06
		2	.2220	.2220		

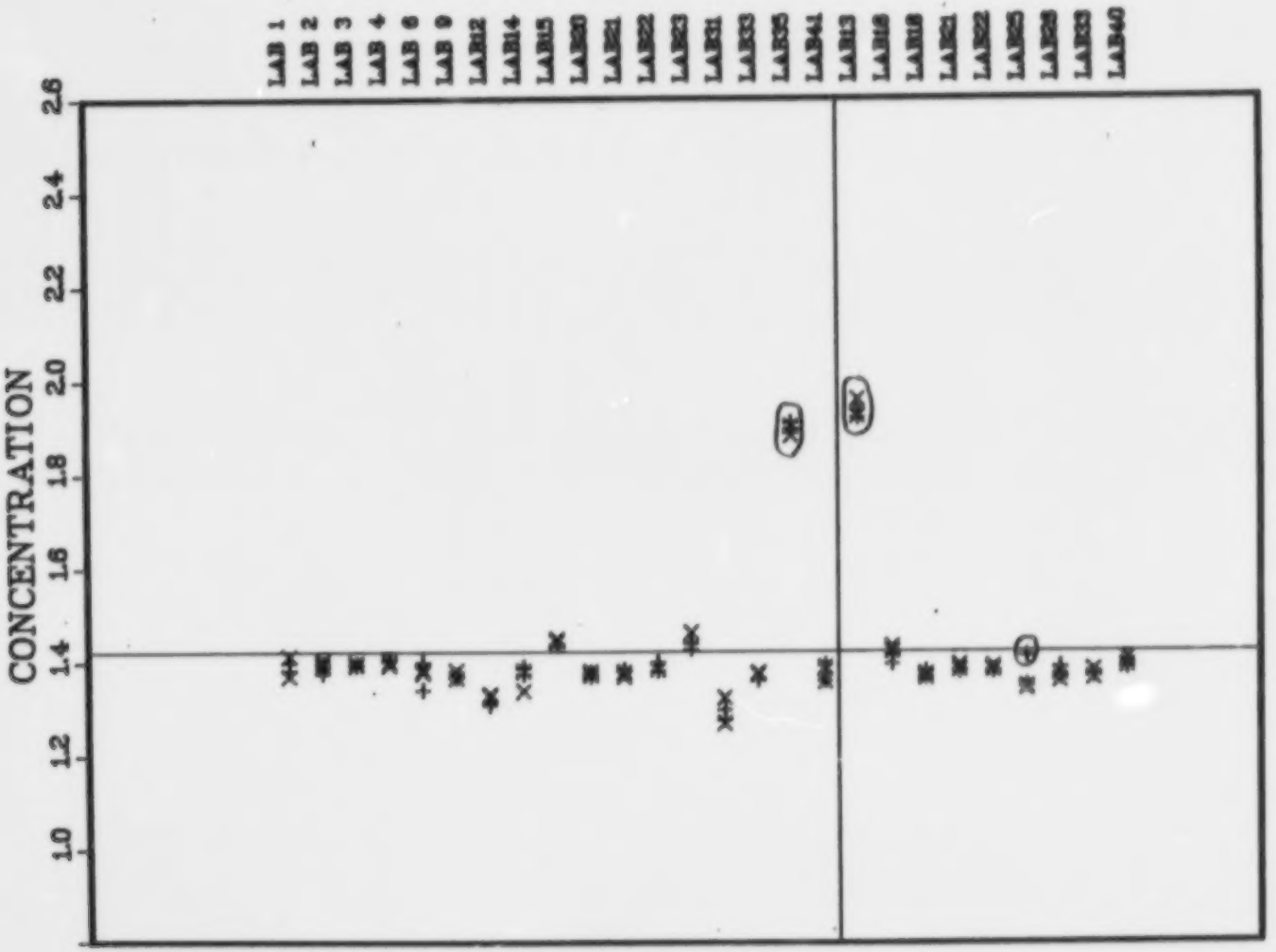


Figure 2. Al 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 AL

SAMPLE: 83-1 LOSS CORRECTED ALPHA

Table 2. Al 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 83-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.3710	1.4140	1.39200	.3687E-03
		2	1.3820	1.4010		
2	LAB 2	1	1.3930	1.4030	1.39250	.1237E-03
		2	1.3770	1.3970		
3	LAB 3	1	1.3940	1.3980	1.39600	.3333E-05
		2	1.3970	1.3950		
4	LAB 4	1	1.3940	1.4010	1.40125	.2958E-04
		2	1.4030	1.4070		
5	LAB 6	1	1.3780	1.3840	1.37575	.6229E-03
		2	1.3410	1.4000		
6	LAB 9	1	1.3670	1.3830	1.37250	.5167E-04
		2	1.3710	1.3690		
7	LAB12	1	1.3290	1.3320	1.32175	.1143E-03
		2	1.3170	1.3090		
8	LAB14	1	1.3390	1.3820	1.37125	.4949E-03
		2	1.3750	1.3890		
9	LAB15	1	1.4440	1.4490	1.44225	.2892E-04
		2	1.4390	1.4370		
10	LAB20	1	1.3800	1.3730	1.37525	.2092E-04
		2	1.3700	1.3780		
11	LAB21	1	1.3690	1.3790	1.37825	.4092E-04
		2	1.3830	1.3820		
12	LAB22	1	1.3860	1.3850	1.38800	.5667E-04
		2	1.3820	1.3990		
13	LAB23	1	1.4620	1.4620	1.44775	.2989E-03
		2	1.4270	1.4400		
14	LAB31	1	1.2690	1.3240	1.29200	.6047E-03
		2	1.2770	1.2980		
15	LAB33	1	1.3730	1.3770	1.36900	.5133E-04
		2	1.3640	1.3620		
16	LAB35	1	1.9020	1.8820	1.89750	.1397E-03
		2	1.9100	1.8960		
17	LAB41	1	1.3570	1.3880	1.37425	.3569E-03
		2	1.3590	1.3930		
18	LAB13	1	1.9240	1.9600	1.93550	.3150E-03
		2	1.9210	1.9370		
19	LAB16	1	1.4320	1.4220	1.41500	.2513E-03
		2	1.3950	1.4110		
20	LAB18	1	1.3650	1.3730	1.37100	.4000E-04
		2	1.3670	1.3790		
21	LAB21	1	1.3930	1.3820	1.38425	.3492E-04
		2	1.3820	1.3800		
22	LAB22	1	1.3890	1.3820	1.38275	.1825E-04
		2	1.3800	1.3800		
23	LAB25	1	1.3410	1.3460	1.36175	.1131E-02
		2	1.3480	1.4120		
24	LAB26	1	1.3740	1.3590	1.37150	.1443E-03
		2	1.3660	1.3870		
25	LAB33	1	1.3820	1.3640	1.37175	.5625E-04
		2	1.3710	1.3700		
26	LAB40	1	1.3910	1.4080	1.39475	.8892E-04
		2	1.3860	1.3940		

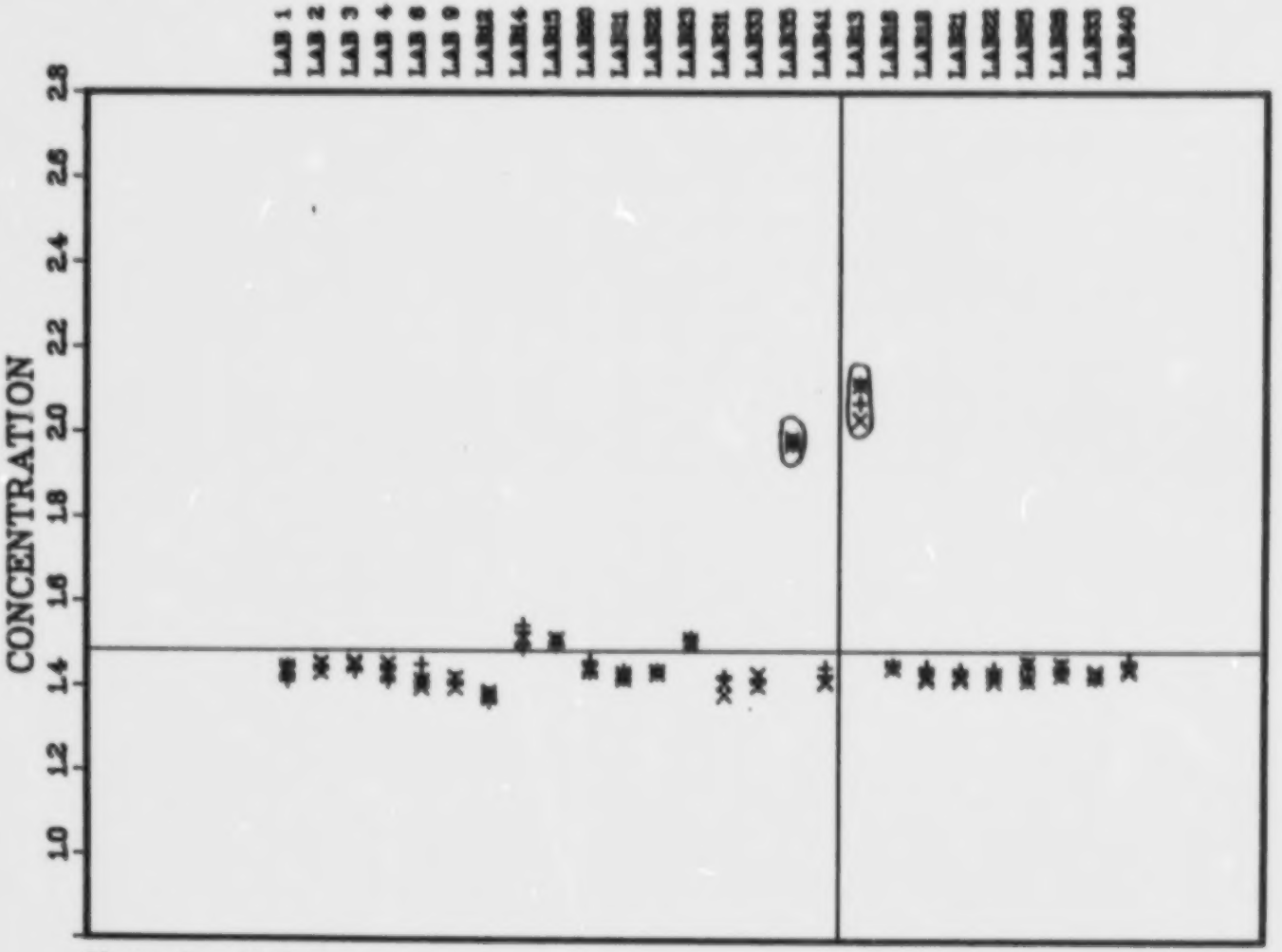


Figure 2. Al 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 Al

SAMPLE: 83-9 LOSS CORRECTED ALPHA

Table 2. Al 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.4360	1.4450	1.43500	.2353E-03
		2	1.4130	1.4460		
2	LAB 2	1	1.4340	1.4550	1.44425	.8425E-04
		2	1.4400	1.4480		
3	LAB 3	1	1.4490	1.4570	1.44700	.6467E-04
		2	1.4440	1.4380		
4	LAB 4	1	1.4350	1.4540	1.43625	.3216E-03
		2	1.4120	1.4440		
5	LAB 6	1	1.3970	1.4140	1.41925	.5669E-03
		2	1.4530	1.4130		
6	LAB 9	1	1.3980	1.4210	1.41075	.9625E-04
		2	1.4150	1.4090		
7	LA812	1	1.3870	1.3750	1.37700	.7800E-04
		2	1.3660	1.3800		
8	LA814	1	1.5170	1.5140	1.51675	.4896E-03
		2	1.4910	1.5450		
9	LA815	1	1.5110	1.5120	1.50750	.4167E-04
		2	1.4980	1.5090		
10	LA820	1	1.4420	1.4390	1.44475	.1216E-03
		2	1.4610	1.4370		
11	LA821	1	1.4320	1.4200	1.42775	.6558E-04
		2	1.4220	1.4370		
12	LA822	1	1.4330	1.4360	1.43525	.2250E-05
		2	1.4360	1.4360		
13	LA823	1	1.5000	1.5120	1.50925	.3958E-04
		2	1.5110	1.5140		
14	LA831	1	1.3820	1.4100	1.41000	.3947E-03
		2	1.4220	1.4260		
15	LA833	1	1.4300	1.4040	1.41550	.1217E-03
		2	1.4170	1.4110		
16	LA835	1	1.9740	1.9860	1.97975	.3425E-04
		2	1.9810	1.9740		
17	LA841	1	1.4110	1.4140	1.42450	.2670E-03
		2	1.4470	1.4260		
18	LA813	1	2.0320	2.1140	2.08325	.1598E-02
		2	2.0710	2.1160		
19	LA816	1	1.4460	1.4470	1.44875	.6917E-05
		2	1.4510	1.4510		
20	LA818	1	1.4280	1.4180	1.43200	.1573E-03
		2	1.4480	1.4340		
21	LA821	1	1.4280	1.4180	1.43000	.9867E-04
		2	1.4420	1.4320		
22	LA822	1	1.4310	1.4150	1.42975	.1316E-03
		2	1.4300	1.4430		
23	LA825	1	1.4180	1.4580	1.43775	.4709E-03
		2	1.4200	1.4550		
24	LA826	1	1.4310	1.4550	1.44275	.1442E-03
		2	1.4510	1.4340		
25	LA833	1	1.4370	1.4270	1.42900	.2933E-04
		2	1.4270	1.4250		
26	LA840	1	1.4480	1.4390	1.45025	.9092E-04
		2	1.4520	1.4620		

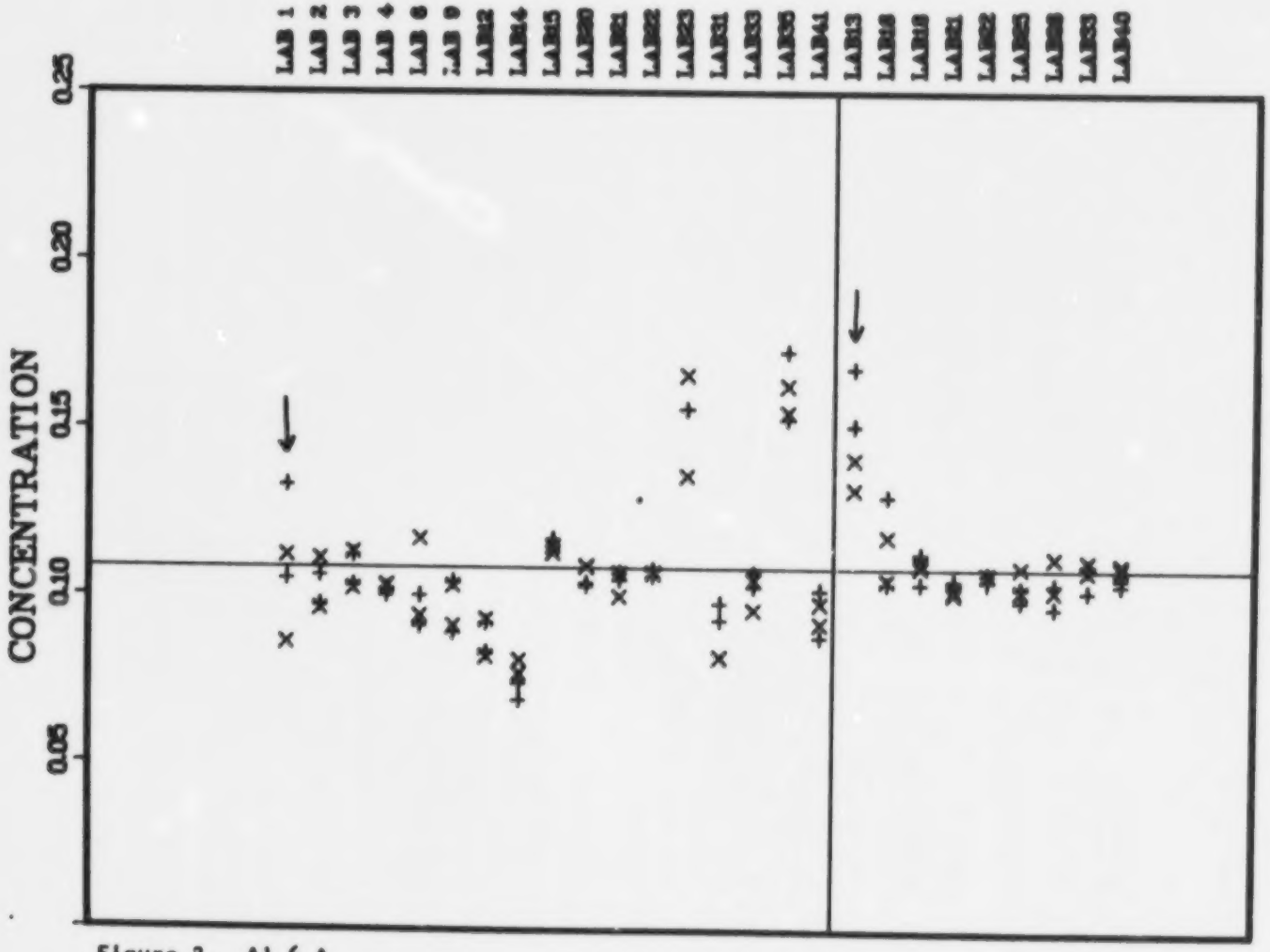


Figure 2. Al 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 AL

SAMPLE: 83-16 LOSS CORRECTED ALPHA

Table 2. Al 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0860	.1120	.10900	.3767E-03
		2	.1050	.1330		
2	LAB 2	1	.0960	.1110	.10250	.5233E-04
		2	.0970	.1060		
3	LAB 3	1	.1020	.1130	.10750	.3367E-04
		2	.1030	.1120		
4	LAB 4	1	.1030	.1030	.10200	.2000E-05
		2	.1000	.1020		
5	LAB 6	1	.0940	.1170	.10050	.1350E-03
		2	.1000	.0910		
6	LAB 9	1	.0910	.1030	.09675	.6158E-04
		2	.0890	.1040		
7	LAB12	1	.0820	.0930	.08750	.3367E-04
		2	.0920	.0830		
8	LAB14	1	.0810	.0770	.07525	.2558E-04
		2	.0690	.0740		
9	LAB15	1	.1150	.1130	.11500	.2667E-05
		2	.1150	.1170		
10	LAB20	1	.1090	.1090	.10625	.1025E-04
		2	.1030	.1040		
11	LAB21	1	.1000	.1070	.10475	.1092E-04
		2	.1050	.1070		
12	LAB22	1	.1070	.1070	.10700	.6667E-06
		2	.1060	.1080		
13	LAB23	1	.1660	.1360	.15350	.1583E-03
		2	.1560	.1560		
14	LAB31	1	.0820	.0820	.08875	.6492E-04
		2	.0980	.0930		
15	LAB33	1	.0960	.1050	.10275	.2292E-04
		2	.1070	.1030		
16	LAB35	1	.1630	.1550	.16100	.8257E-04
		2	.1530	.1730		
17	LAB41	1	.0980	.0920	.09500	.3867E-04
		2	.1020	.0880		
18	LAB13	1	.1320	.1410	.14800	.2380E-03
		2	.1680	.1510		
19	LAB16	1	.1050	.1180	.11425	.1509E-03
		2	.1300	.1040		
20	LAB18	1	.1100	.1090	.10900	.1400E-04
		2	.1130	.1040		
21	LAB21	1	.1010	.1020	.10300	.3333E-05
		2	.1040	.1050		
22	LAB22	1	.1070	.1070	.10650	.1000E-05
		2	.1070	.1050		
23	LAB25	1	.1090	.1020	.10325	.1758E-04
		2	.1030	.0990		
24	LAB26	1	.1120	.1020	.10375	.3892E-04
		2	.0970	.1040		
25	LAB33	1	.1110	.1080	.10750	.1500E-04
		2	.1090	.1020		
26	LAB40	1	.1090	.1100	.10725	.7583E-05
		2	.1040	.1060		

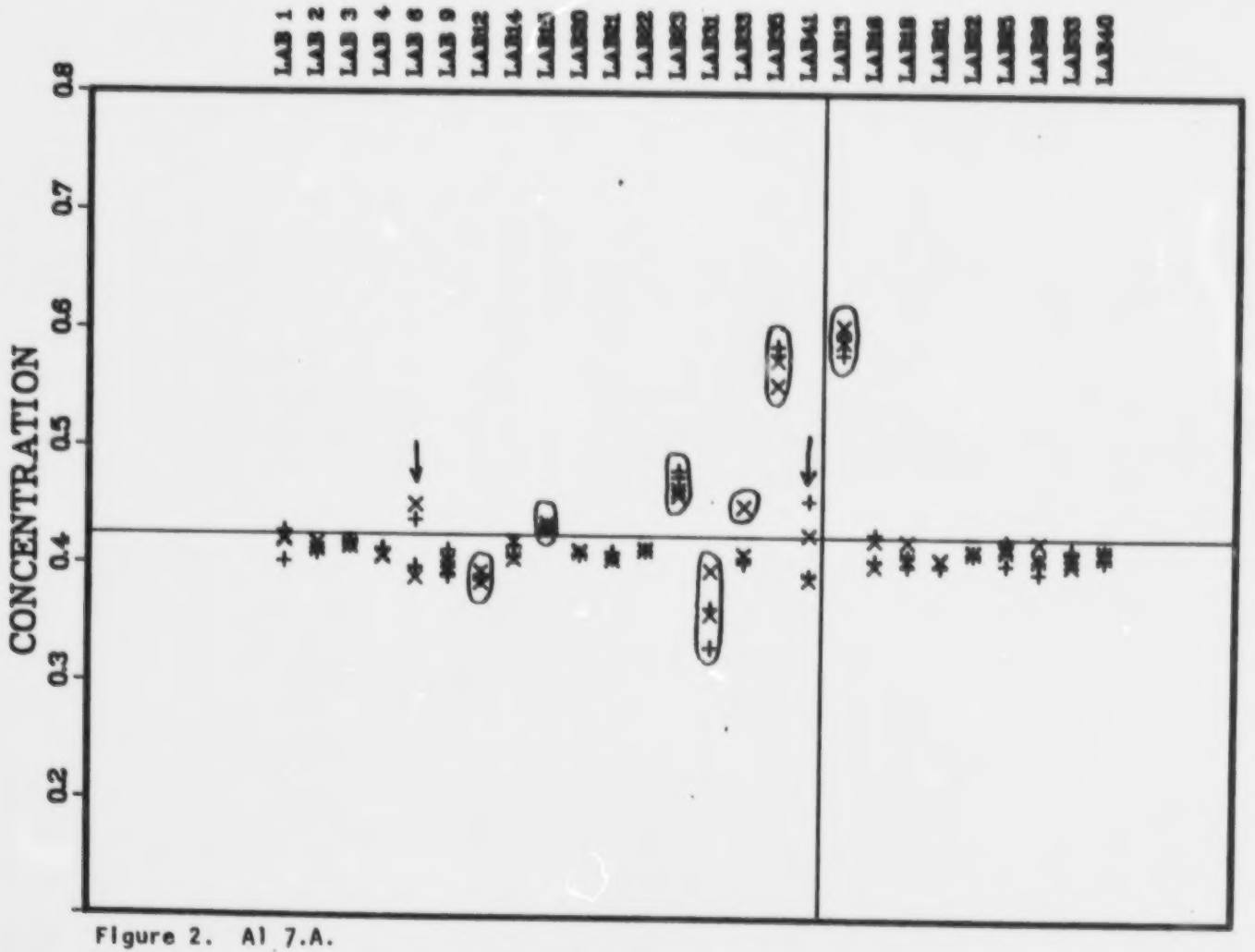


Figure 2. Al 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL

SAMPLE: 83-17 LOSS CORRECTED ALPHA

Table 2. Al 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 83-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.4200	.4220	.41800	.1253E-03
		2	.4020	.4280		
2	LAB 2	1	.4120	.4180	.41300	.1400E-04
		2	.4090	.4130		
3	LAB 3	1	.4160	.4150	.41600	.2000E-05
		2	.4180	.4150		
4	LAB 4	1	.4060	.4080	.40975	.1092E-04
		2	.4130	.4120		
5	LAB 6	1	.4510	.3890	.41900	.9087E-03
		2	.4380	.3980		
6	LAB 9	1	.3970	.4030	.40050	.8700E-04
		2	.3900	.4120		
7	LAB12	1	.3850	.3940	.38925	.1625E-04
		2	.3870	.3910		
8	LAB14	1	.4050	.4200	.41200	.5133E-04
		2	.4070	.4160		
9	LAB15	1	.4300	.4350	.43200	.6000E-05
		2	.4300	.4330		
10	LAB20	1	.4120	.4110	.41050	.1667E-05
		2	.4090	.4100		
11	LAB21	1	.4060	.4050	.40700	.7333E-05
		2	.4110	.4060		
12	LAB22	1	.4130	.4140	.41325	.2500E-06
		2	.4130	.4130		
13	LAB23	1	.4650	.4600	.47050	.9367E-04
		2	.4760	.4810		
14	LAB31	1	.3960	.3590	.36250	.7097E-03
		2	.3640	.3310		
15	LAB33	1	.4510	.4100	.41775	.4996E-03
		2	.4070	.4030		
16	LAB35	1	.5750	.5540	.57400	.2020E-03
		2	.5870	.5800		
17	LAB41	1	.4270	.3890	.41600	.1009E-02
		2	.4560	.3920		
18	LAB13	1	.5910	.6040	.59225	.9758E-04
		2	.5800	.5940		
19	LAB16	1	.4230	.4010	.41425	.1756E-03
		2	.4280	.4050		
20	LAB18	1	.4070	.4220	.40975	.7825E-04
		2	.4010	.4090		
21	LAB21	1	.4060	.4070	.40400	.8667E-05
		2	.4020	.4010		
22	LAB22	1	.4130	.4140	.41300	.6667E-06
		2	.4130	.4120		
23	LAB25	1	.4190	.4150	.41500	.7467E-04
		2	.4030	.4230		
24	LAB26	1	.4080	.4220	.40825	.1136E-03
		2	.4070	.3960		
25	LAB33	1	.4080	.4030	.41025	.3492E-04
		2	.4140	.4160		
26	LAB40	1	.4110	.4150	.41200	.1467E-04
		2	.4070	.4150		

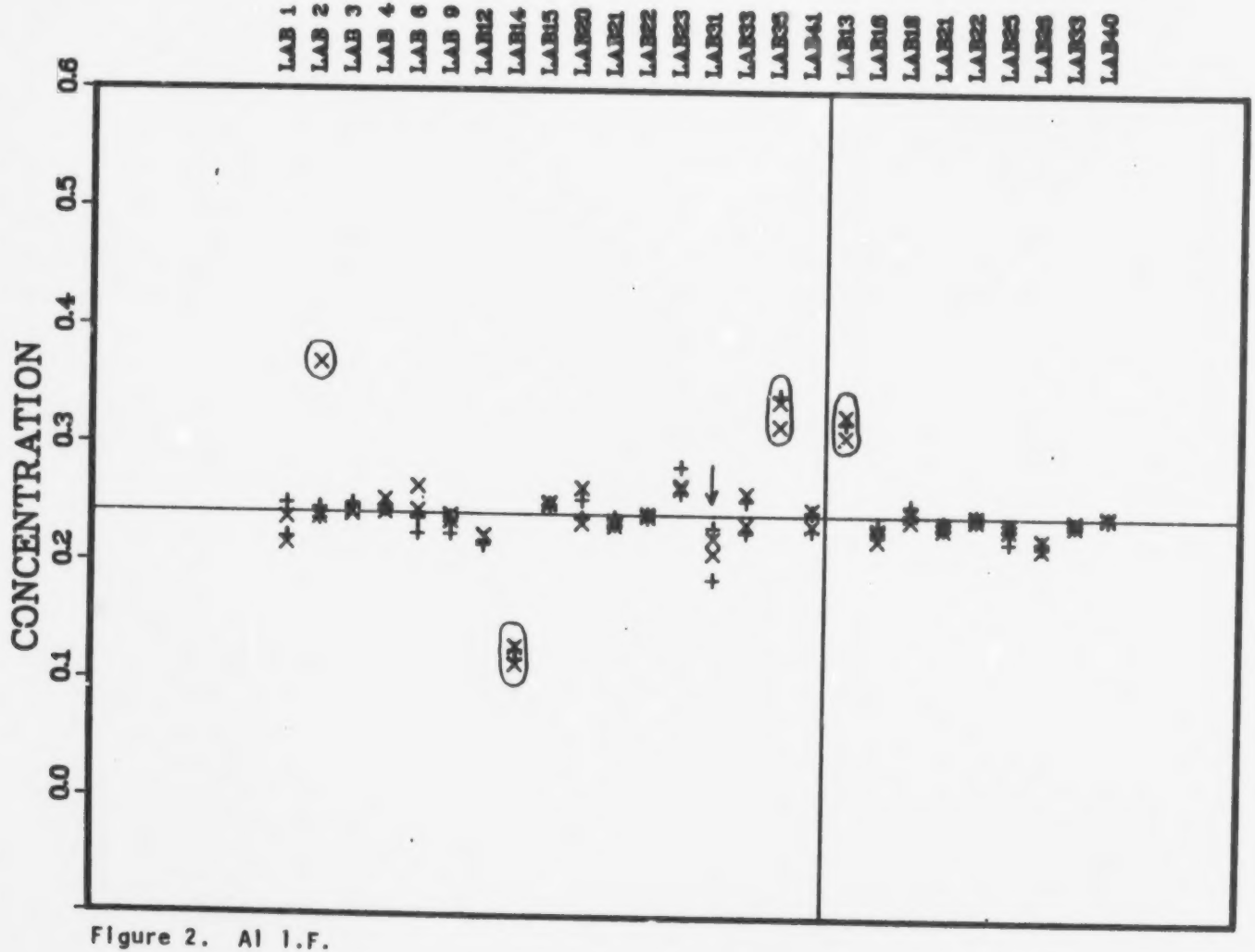


Figure 2. Al I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL

SAMPLE: 77-8 LOSS ON FUSION CORRECTED

Table 2. Al I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 77-8 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2160	.2380	.23125	.2449E-03
		2	.2210	.2500		
2	LAB 2	1	.2380	.3690	.27250	.4155E-02
		2	.2370	.2460		
3	LAB 3	1	.2410	.2440	.24525	.1425E-04
		2	.2460	.2500		
4	LAB 4	1	.2540	.2430	.24675	.2425E-04
		2	.2450	.2450		
5	LAB 6	1	.2650	.2450	.24325	.2789E-03
		2	.2380	.2250		
6	LAB 9	1	.2410	.2360	.23525	.5092E-04
		2	.2250	.2390		
7	LAB12	1	.2240	.2240	.22075	.1558E-04
		2	.2190	.2160		
8	LAB14	1	.1150	.1300	.12275	.4825E-04
		2	.1190	.1270		
9	LAB15	1	.2510	.2520	.25100	.6667E-06
		2	.2510	.2500		
10	LAB20	1	.2350	.2650	.24850	.1957E-03
		2	.2550	.2390		
11	LAB21	1	.2370	.2330	.23600	.1000E-04
		2	.2400	.2340		
12	LAB22	1	.2430	.2410	.24175	.2250E-05
		2	.2400	.2430		
13	LAB23	1	.2650	.2670	.26900	.9333E-04
		2	.2830	.2610		
14	LAB31	1	.2100	.2230	.21325	.3649E-03
		2	.2320	.1880		
15	LAB33	1	.2350	.2610	.24475	.2482E-03
		2	.2280	.2550		
16	LAB35	1	.3390	.3180	.33600	.1487E-03
		2	.3430	.3440		
17	LAB41	1	.2480	.2340	.23950	.7833E-04
		2	.2460	.2300		
18	LAB13	1	.3090	.3270	.31975	.5825E-04
		2	.3210	.3220		
19	LAB16	1	.2220	.2310	.22925	.2625E-04
		2	.2340	.2300		
20	LAB18	1	.2450	.2390	.24500	.2867E-04
		2	.2520	.2440		
21	LAB21	1	.2370	.2320	.23500	.8667E-05
		2	.2380	.2330		
22	LAB22	1	.2400	.2430	.24150	.3000E-05
		2	.2400	.2430		
23	LAB25	1	.2370	.2320	.23075	.4692E-04
		2	.2210	.2330		
24	LAB26	1	.2160	.2240	.22000	.1333E-04
		2	.2180	.2220		
25	LAB33	1	.2360	.2400	.23775	.2917E-05
		2	.2380	.2370		
26	LAB40	1	.2440	.2430	.24300	.6667E-06
		2	.2430	.2420		

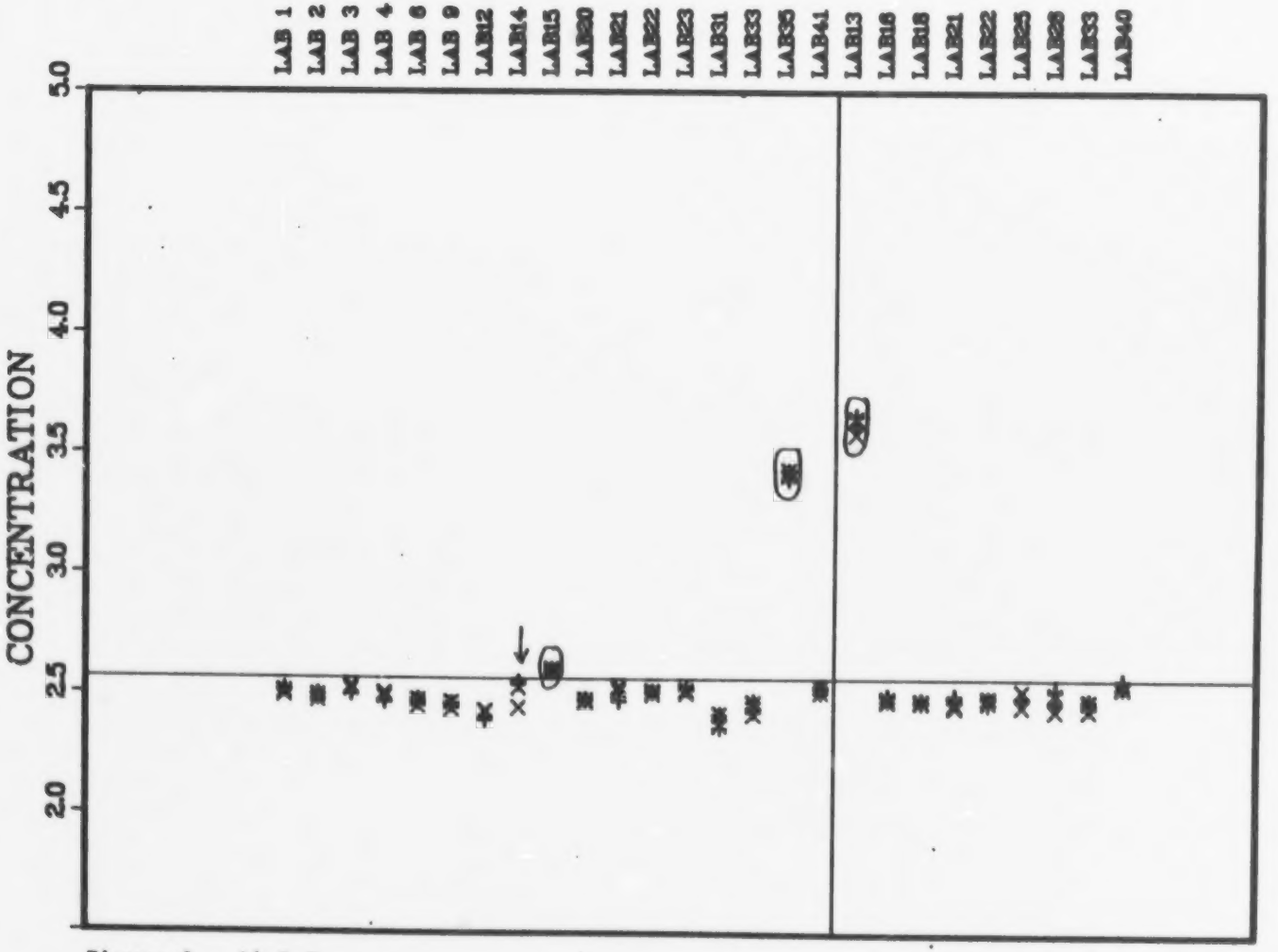


Figure 2. Al 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD -- 1984 AL

SAMPLE 79-4 LOSS ON FUSION CORRECTED

Table 2. Al 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	2.4930	2.5090	2.50700	.1013E-03
		2	2.5090	2.5170		
2	LAB 2	1	2.4730	2.4930	2.48550	.1417E-03
		2	2.4780	2.4980		
3	LAB 3	1	2.5180	2.5310	2.51175	.2476E-03
		2	2.4970	2.5010		
4	LAB 4	1	2.5030	2.4890	2.48150	.3157E-03
		2	2.4650	2.4690		
5	LAB 6	1	2.4480	2.4770	2.46650	.2097E-03
		2	2.4790	2.4620		
6	LAB 9	1	2.4360	2.4670	2.45400	.1767E-03
		2	2.4530	2.4600		
7	LAB12	1	2.4320	2.4290	2.41175	.4729E-03
		2	2.3910	2.3950		
8	LAB14	1	2.4450	2.5300	2.51725	.2395E-02
		2	2.5430	2.5510		
9	LAB15	1	2.6080	2.5960	2.60100	.4933E-04
		2	2.6060	2.5940		
10	LAB20	1	2.4690	2.4790	2.47600	.2800E-04
		2	2.4810	2.4750		
11	LAB21	1	2.5190	2.5340	2.50050	.9390E-03
		2	2.4750	2.4740		
12	LAB22	1	2.5030	2.5160	2.51050	.3100E-04
		2	2.5100	2.5130		
13	LAB23	1	2.5200	2.5080	2.52075	.9825E-04
		2	2.5320	2.5230		
14	LAB31	1	2.4210	2.3720	2.39325	.9369E-03
		2	2.3620	2.4180		
15	LAB33	1	2.4700	2.4180	2.44775	.7776E-03
		2	2.4730	2.4300		
16	LAB35	1	3.4140	3.4370	3.42000	.3820E-03
		2	3.4340	3.3950		
17	LAB41	1	2.5370	2.5110	2.52150	.1750E-03
		2	2.5280	2.5100		
18	LAB13	1	3.5850	3.6510	3.62750	.1263E-02
		2	3.6120	3.6620		
19	LAB16	1	2.4730	2.4840	2.48275	.1109E-03
		2	2.4770	2.4970		
20	LAB18	1	2.4750	2.4700	2.47325	.1558E-04
		2	2.4780	2.4700		
21	LAB21	1	2.4630	2.4490	2.47125	.4469E-03
		2	2.4990	2.4740		
22	LAB22	1	2.4720	2.4900	2.47850	.1583E-03
		2	2.4640	2.4880		
23	LAB25	1	2.4540	2.5190	2.48800	.7153E-03
		2	2.4930	2.4860		
24	LAB26	1	2.4370	2.5060	2.48250	.1459E-02
		2	2.4660	2.5210		
25	LAB33	1	2.4780	2.4390	2.46250	.4150E-03
		2	2.4810	2.4520		
26	LAB40	1	2.5400	2.5340	2.54400	.2640E-03
		2	2.5340	2.5680		

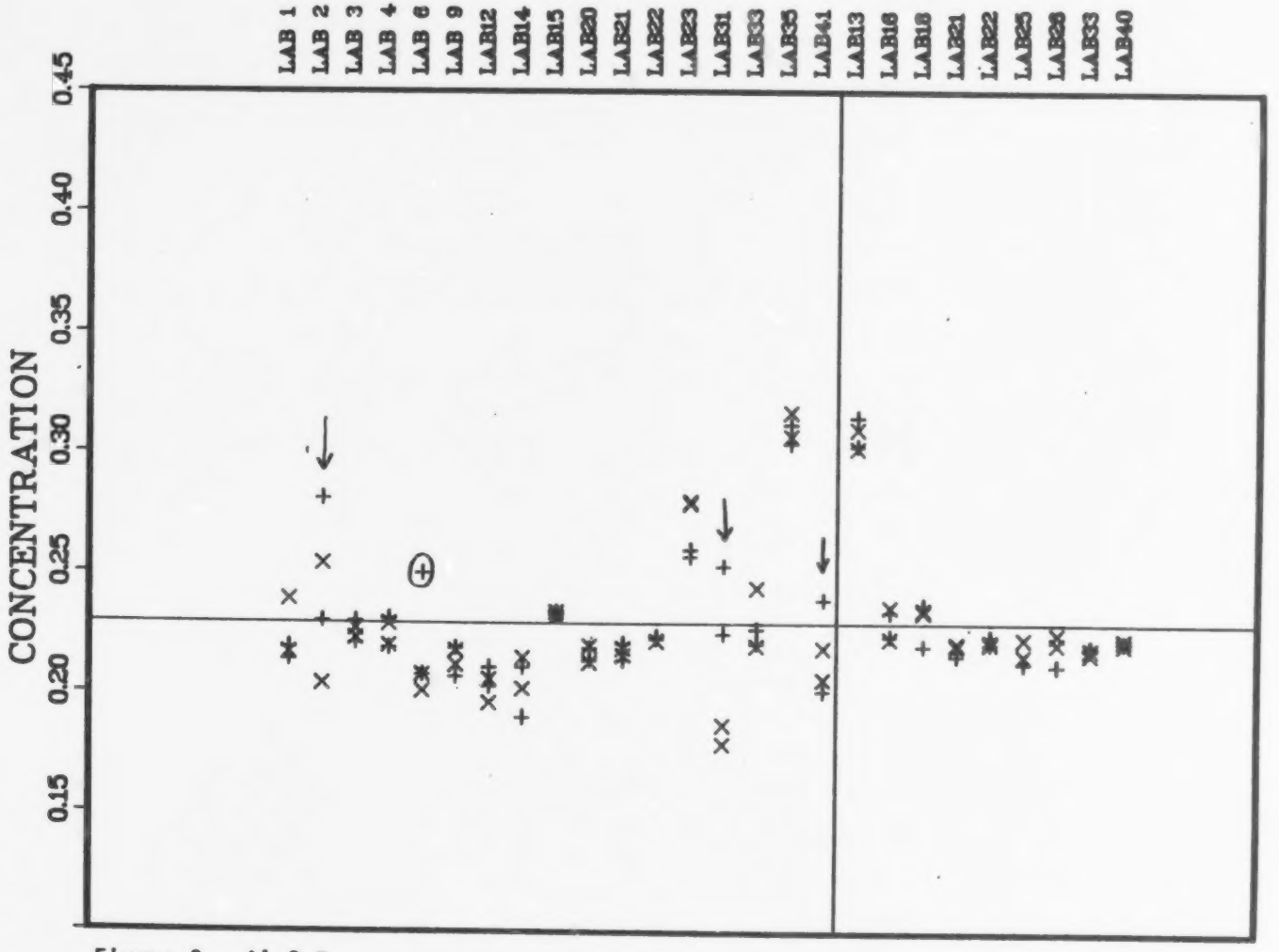


Figure 2. Al 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 AL

SAMPLE: 79–13 LOSS ON FUSION CORRECTED

Table 2. Al 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2170	.2390	.22225	.1289E-03
		2	.2140	.2190		
2	LAB 2	1	.2040	.2540	.24225	.1084E-02
		2	.2810	.2300		
3	LAB 3	1	.2230	.2270	.22525	.1625E-04
		2	.2210	.2300		
4	LAB 4	1	.2200	.2290	.22475	.3758E-04
		2	.2190	.2310		
5	LAB 6	1	.2080	.2010	.21675	.5023E-03
		2	.2500	.2080		
6	LAB 9	1	.2120	.2180	.21400	.3133E-04
		2	.2070	.2190		
7	LAB12	1	.1960	.2060	.20400	.3933E-04
		2	.2030	.2110		
8	LAB14	1	.2020	.2150	.20450	.1230E-03
		2	.1900	.2110		
9	LAB15	1	.2320	.2340	.23325	.9167E-06
		2	.2330	.2340		
10	LAB20	1	.2130	.2200	.21650	.1233E-04
		2	.2140	.2190		
11	LAB21	1	.2190	.2160	.21750	.9667E-05
		2	.2210	.2140		
12	LAB22	1	.2220	.2220	.22275	.9167E-06
		2	.2240	.2230		
13	LAB23	1	.2790	.2800	.26900	.1487E-03
		2	.2600	.2570		
14	LAB31	1	.1790	.1870	.21100	.1187E-02
		2	.2530	.2250		
15	LAB33	1	.2200	.2440	.22800	.1233E-03
		2	.2210	.2270		
16	LAB35	1	.3170	.3070	.31000	.3267E-04
		2	.3040	.3120		
17	LAB41	1	.2190	.2060	.21625	.2876E-03
		2	.2390	.2010		
18	LAB13	1	.3020	.3100	.30750	.3767E-04
		2	.3030	.3150		
19	LAB16	1	.2360	.2230	.22925	.4492E-04
		2	.2340	.2240		
20	LAB18	1	.2350	.2340	.23150	.6033E-04
		2	.2200	.2370		
21	LAB21	1	.2200	.2210	.21875	.4917E-05
		2	.2180	.2160		
22	LAB22	1	.2220	.2210	.22200	.2000E-05
		2	.2240	.2210		
23	LAB25	1	.2230	.2160	.21625	.2225E-04
		2	.2130	.2130		
24	LAB26	1	.2250	.2210	.21750	.4300E-04
		2	.2120	.2120		
25	LAB33	1	.2190	.2170	.21875	.1583E-05
		2	.2200	.2190		
26	LAB40	1	.2230	.2210	.22200	.6667E-06
		2	.2220	.2220		

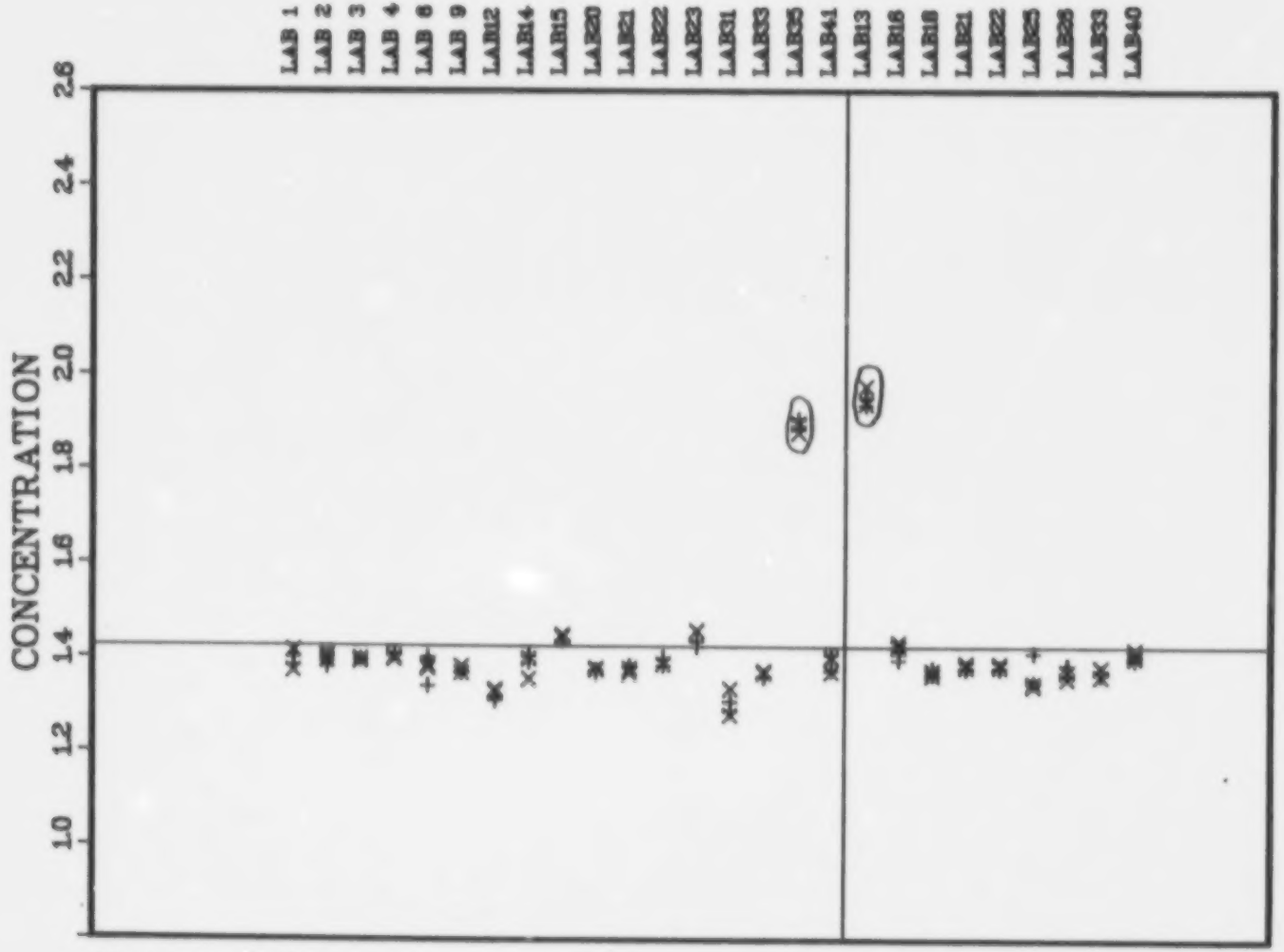


Figure 2. Al 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL

SAMPLE: 83-1 LOSS ON FUSION CORRECTED

Table 2. Al 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.3710	1.4150	1.39225	.3836E-03
		2	1.3820	1.4010		
2	LAB 2	1	1.3930	1.4040	1.39375	.1169E-03
		2	1.3790	1.3990		
3	LAB 3	1	1.3910	1.3970	1.39425	.6250E-05
		2	1.3940	1.3950		
4	LAB 4	1	1.3960	1.4010	1.40175	.1892E-04
		2	1.4040	1.4060		
5	LAB 6	1	1.3760	1.3830	1.37450	.6617E-03
		2	1.3390	1.4000		
6	LAB 9	1	1.3670	1.3810	1.37125	.4292E-04
		2	1.3690	1.3680		
7	LA812	1	1.3280	1.3320	1.32125	.1129E-03
		2	1.3160	1.3090		
8	LA814	1	1.3550	1.3980	1.38700	.4833E-03
		2	1.3910	1.4040		
9	LA815	1	1.4440	1.4490	1.44200	.3133E-04
		2	1.4380	1.4370		
10	LA820	1	1.3780	1.3750	1.37375	.1759E-04
		2	1.3680	1.3740		
11	LA821	1	1.3680	1.3780	1.37725	.4092E-04
		2	1.3820	1.3810		
12	LA822	1	1.3870	1.3870	1.38950	.5100E-04
		2	1.3840	1.4000		
13	LA823	1	1.4570	1.4580	1.44375	.2763E-03
		2	1.4240	1.4360		
14	LA831	1	1.2790	1.3350	1.30225	.6262E-03
		2	1.2870	1.3080		
15	LA833	1	1.3690	1.3730	1.36600	.3667E-04
		2	1.3620	1.3600		
16	LA835	1	1.8990	1.8790	1.89450	.1397E-03
		2	1.9070	1.8930		
17	LA841	1	1.3710	1.4030	1.38900	.3687E-03
		2	1.3740	1.4080		
18	LA913	1	1.9400	1.9770	1.95200	.3327E-03
		2	1.9370	1.9540		
19	LA816	1	1.4340	1.4240	1.41700	.2513E-03
		2	1.3970	1.4130		
20	LA818	1	1.3640	1.3740	1.37100	.4600E-04
		2	1.3670	1.3790		
21	LA821	1	1.3900	1.3820	1.38300	.2333E-04
		2	1.3810	1.3790		
22	LA822	1	1.3890	1.3830	1.38325	.1625E-04
		2	1.3810	1.3800		
23	LA825	1	1.3420	1.3480	1.36275	.1088E-02
		2	1.3490	1.4120		
24	LA826	1	1.3730	1.3590	1.37075	.1409E-03
		2	1.3660	1.3860		
25	LA833	1	1.3820	1.3630	1.37125	.6292E-04
		2	1.3710	1.3690		
26	LA840	1	1.4030	1.4200	1.40675	.8892E-04
		2	1.3980	1.4060		

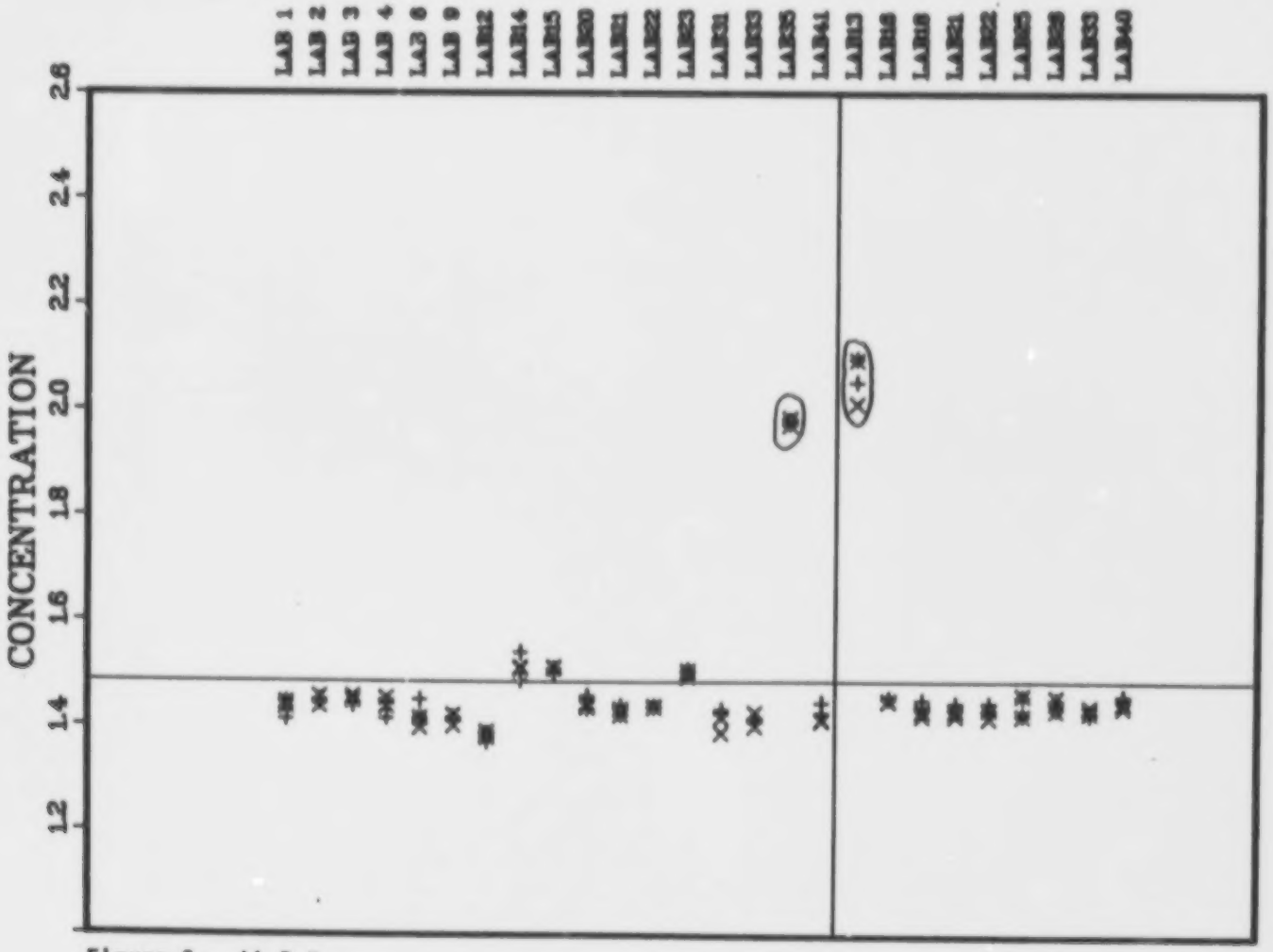


Figure 2. Al 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD -- 1984 AL

SAMPLE 83-9 LOSS ON FUSION CORRECTED

Table 2. Al S.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.4360	1.4450	1.43500	.2353E-03
		2	1.4130	1.4460		
2	LAB 2	1	1.4380	1.4570	1.44700	.6867E-04
		2	1.4430	1.4500		
3	LAB 3	1	1.4480	1.4570	1.44675	.5825E-04
		2	1.4420	1.4400		
4	LAB 4	1	1.4380	1.4540	1.43800	.2780E-03
		2	1.4150	1.4450		
5	LAB 6	1	1.3970	1.4160	1.42000	.5073E-03
		2	1.4510	1.4160		
6	LAB 9	1	1.4010	1.4220	1.41275	.8158E-04
		2	1.4170	1.4110		
7	LA812	1	1.3900	1.3790	1.38125	.7692E-04
		2	1.3700	1.3860		
8	LA814	1	1.5140	1.5110	1.51375	.4896E-03
		2	1.4880	1.5420		
9	LA815	1	1.5130	1.5140	1.50975	.3558E-04
		2	1.5010	1.5110		
10	LA820	1	1.4410	1.4370	1.44275	.1256E-03
		2	1.4590	1.4340		
11	LA821	1	1.4340	1.4220	1.42950	.6967E-04
		2	1.4230	1.4390		
12	LA822	1	1.4370	1.4390	1.43825	.9167E-06
		2	1.4398	1.4380		
13	LA823	1	1.4950	1.5070	1.50400	.3667E-04
		2	1.5060	1.5080		
14	LA831	1	1.3880	1.4180	1.41600	.3860E-03
		2	1.4250	1.4330		
15	LA833	1	1.4270	1.4010	1.41375	.1209E-03
		2	1.4170	1.4100		
16	LA835	1	1.9730	1.9860	1.97925	.3425E-04
		2	1.9820	1.9760		
17	LA841	1	1.4110	1.4140	1.42425	.2522E-03
		2	1.4460	1.4260		
18	LA813	1	2.0130	2.0960	2.06525	.1625E-02
		2	2.0540	2.0980		
19	LA816	1	1.4480	1.4500	1.45150	.9000E-05
		2	1.4540	1.4540		
20	LA818	1	1.4300	1.4210	1.43475	.1603E-03
		2	1.4510	1.4370		
21	LA821	1	1.4310	1.4210	1.43300	.9867E-04
		2	1.4450	1.4350		
22	LA822	1	1.4340	1.4170	1.43225	.1329E-03
		2	1.4330	1.4450		
23	LA825	1	1.4210	1.4610	1.44075	.4709E-03
		2	1.4230	1.4580		
24	LA826	1	1.4320	1.4570	1.44400	.1527E-03
		2	1.4520	1.4350		
25	LA833	1	1.4380	1.4280	1.42975	.3225E-04
		2	1.4280	1.4250		
26	LA840	1	1.4470	1.4380	1.44875	.7625E-04
		2	1.4510	1.4590		

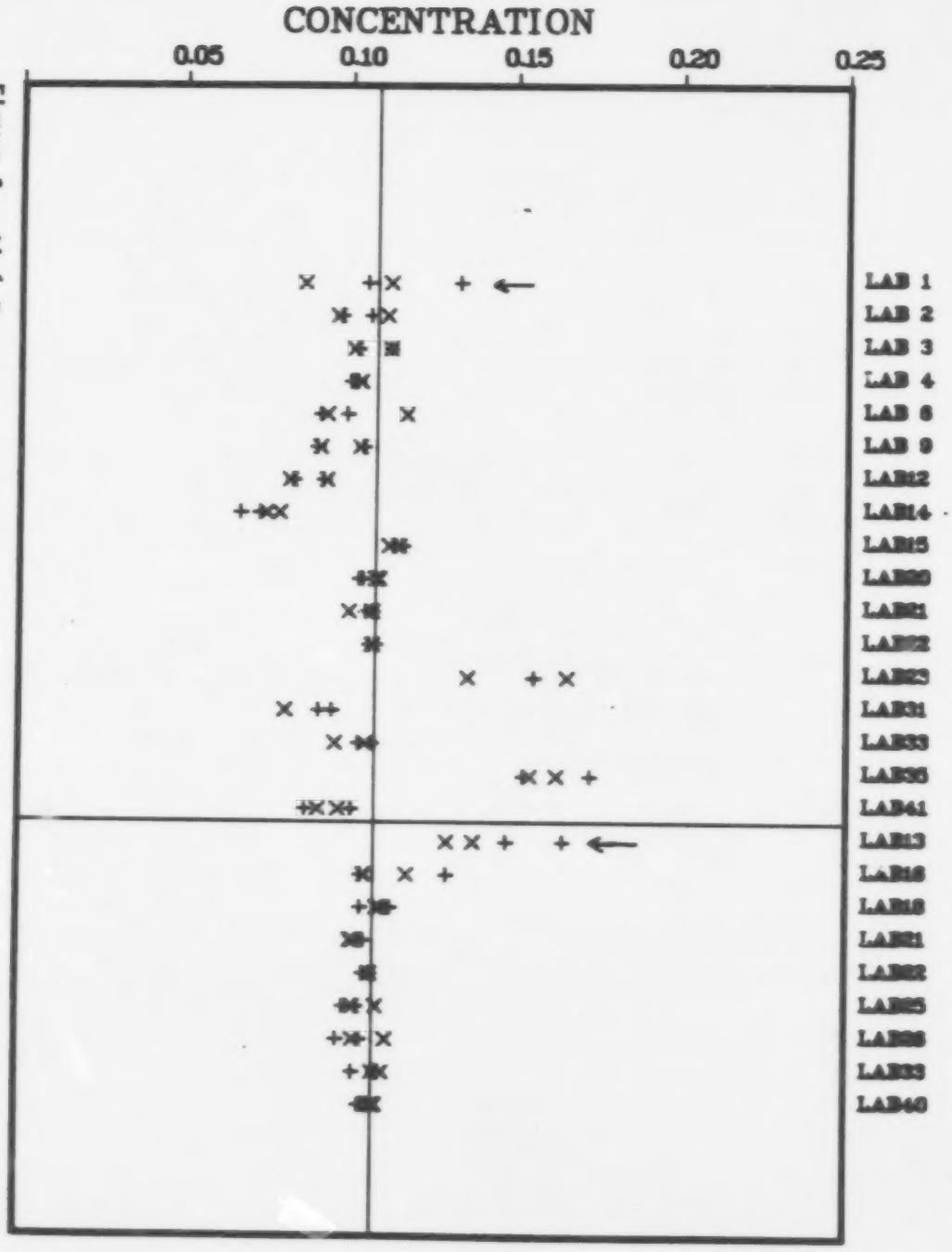


Figure 2. Al 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL

SAMPLE 83-18 LOSS ON FUSION CORRECTED

Table 2. Al 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0860	.1120	.10900	.3767E-03
		2	.1050	.1330		
2	LAB 2	1	.0960	.1110	.10250	.5233E-04
		2	.0970	.1060		
3	LAB 3	1	.1010	.1120	.10675	.3692E-04
		2	.1020	.1120		
4	LAB 4	1	.1030	.1030	.10200	.2000E-05
		2	.1000	.1020		
5	LAB 6	1	.0930	.1170	.10000	.1400E-03
		2	.0990	.0910		
6	LAB 9	1	.0910	.1030	.09700	.5667E-04
		2	.0900	.1040		
7	LA812	1	.0820	.0930	.08750	.3367E-04
		2	.0920	.0830		
8	LA814	1	.0790	.0750	.07350	.2500E-04
		2	.0670	.0730		
9	LA815	1	.1150	.1120	.11425	.2917E-05
		2	.1140	.1160		
10	LA820	1	.1090	.1080	.10600	.8667E-05
		2	.1030	.1040		
11	LA821	1	.1000	.1070	.10475	.1092E-04
		2	.1050	.1070		
12	LA822	1	.1070	.1070	.10700	.6667E-06
		2	.1060	.1080		
13	LA823	1	.1660	.1360	.15350	.1583E-03
		2	.1560	.1560		
14	LA831	1	.0810	.0810	.08700	.5067E-04
		2	.0950	.0910		
15	LA833	1	.0960	.1050	.10275	.2292E-04
		2	.1070	.1030		
16	LA835	1	.1630	.1550	.16100	.8267E-04
		2	.1530	.1730		
17	LA841	1	.0970	.0910	.09400	.3867E-04
		2	.1010	.0870		
18	LA813	1	.1300	.1380	.14525	.2276E-03
		2	.1650	.1480		
19	LA816	1	.1050	.1180	.11425	.1509E-03
		2	.1300	.1040		
20	LA818	1	.1100	.1090	.10900	.1400E-04
		2	.1130	.1040		
21	LA821	1	.1010	.1020	.10300	.3333E-05
		2	.1040	.1050		
22	LA822	1	.1070	.1070	.10650	.1000E-05
		2	.1070	.1050		
23	LA825	1	.1090	.1020	.10325	.1758E-04
		2	.1030	.0990		
24	LA826	1	.1120	.1020	.10375	.3892E-04
		2	.0970	.1040		
25	LA833	1	.1110	.1080	.10750	.1500E-04
		2	.1090	.1020		
26	LA840	1	.1080	.1090	.10650	.5667E-05
		2	.1040	.1050		

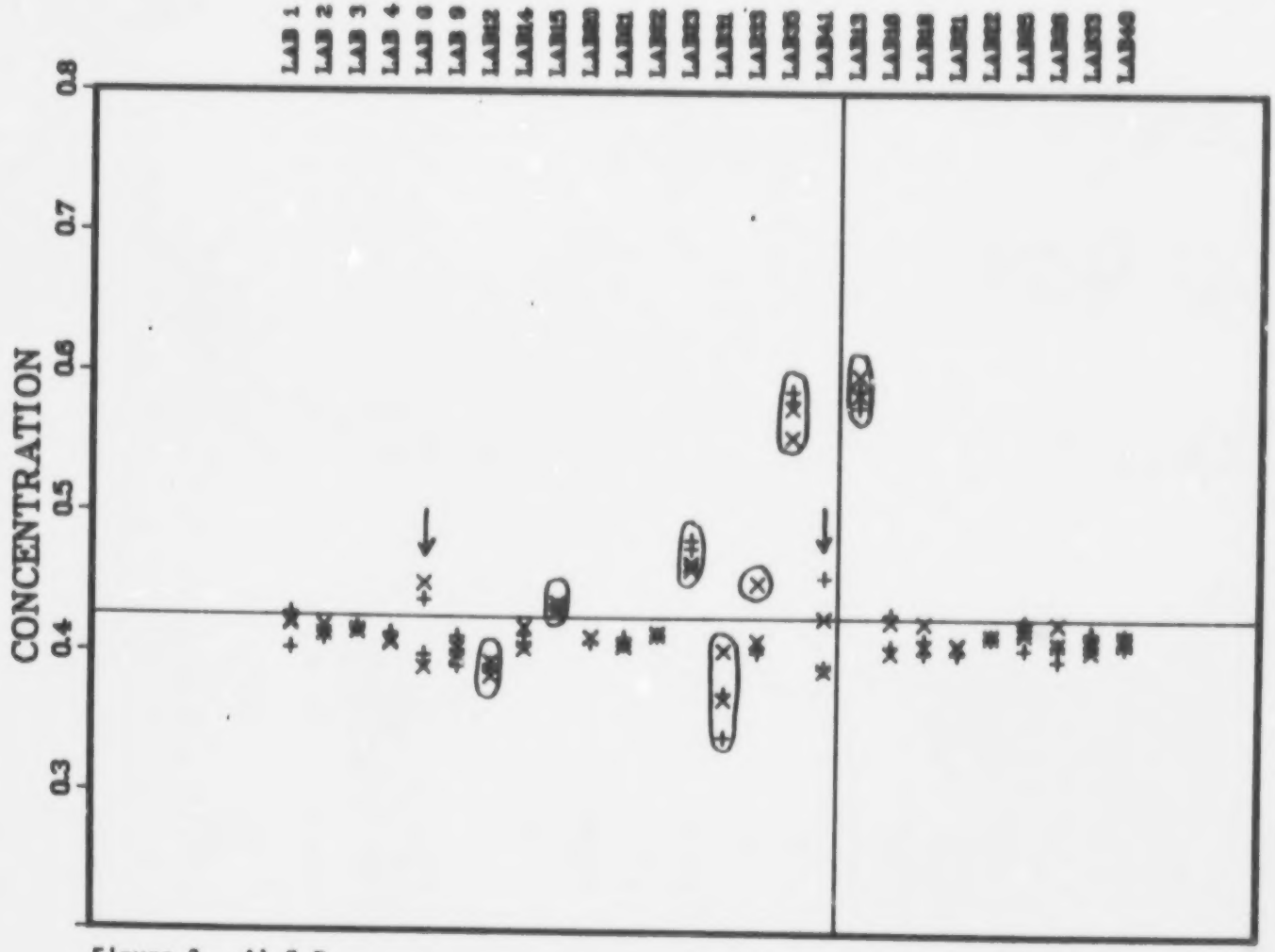


Figure 2. Al 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL

SAMPLE 83-17 LOSS ON FUSION CORRECTED

Table 2. Al 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 AL
SAMPLE: 83-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.4200	.4220	.41825	.1149E-03
		2	.4030	.4280		
2	LAB 2	1	.4130	.4190	.41400	.1400E-04
		2	.4100	.4140		
3	LAB 3	1	.4160	.4150	.41625	.1583E-05
		2	.4180	.4160		
4	LAB 4	1	.4070	.4090	.41075	.1092E-04
		2	.4140	.4130		
5	LAB 6	1	.4500	.3900	.41925	.9542E-03
		2	.4380	.3990		
6	LAB 9	1	.3980	.4040	.40125	.7958E-04
		2	.3910	.4120		
7	LAB12	1	.3840	.3940	.38925	.2092E-04
		2	.3870	.3920		
8	LAB14	1	.4040	.4190	.41075	.4892E-04
		2	.4060	.4140		
9	LAB15	1	.4310	.4360	.43300	.6000E-05
		2	.4310	.4340		
10	LAB20	1	.4120	.4120	.41050	.3000E-05
		2	.4090	.4090		
11	LAB21	1	.4070	.4060	.40800	.7333E-05
		2	.4120	.4070		
12	LAB22	1	.4140	.4150	.41425	.2500E-06
		2	.4140	.4140		
13	LAB23	1	.4650	.4610	.47100	.9400E-04
		2	.4760	.4820		
14	LAB31	1	.4030	.3680	.37100	.6447E-03
		2	.3720	.3410		
15	LAB33	1	.4510	.4100	.41725	.5169E-03
		2	.4060	.4020		
16	LAB35	1	.5760	.5550	.57500	.2020E-03
		2	.5880	.5810		
17	LAB41	1	.4260	.3890	.41525	.9909E-03
		2	.4550	.3910		
18	LAB13	1	.5860	.5990	.58775	.8225E-04
		2	.5770	.5890		
19	LAB16	1	.4240	.4020	.41525	.1756E-03
		2	.4290	.4060		
20	LAB18	1	.4070	.4230	.41075	.9025E-04
		2	.4020	.4110		
21	LAB21	1	.4070	.4080	.40475	.1025E-04
		2	.4020	.4020		
22	LAB22	1	.4140	.4140	.41375	.2500E-06
		2	.4140	.4130		
23	LAB25	1	.4200	.4160	.41625	.6692E-04
		2	.4050	.4240		
24	LAB26	1	.4090	.4230	.40925	.1136E-03
		2	.4080	.3970		
25	LAB33	1	.4090	.4040	.41125	.3492E-04
		2	.4150	.4170		
26	LAB40	1	.4100	.4140	.41150	.1367E-04
		2	.4070	.4150		

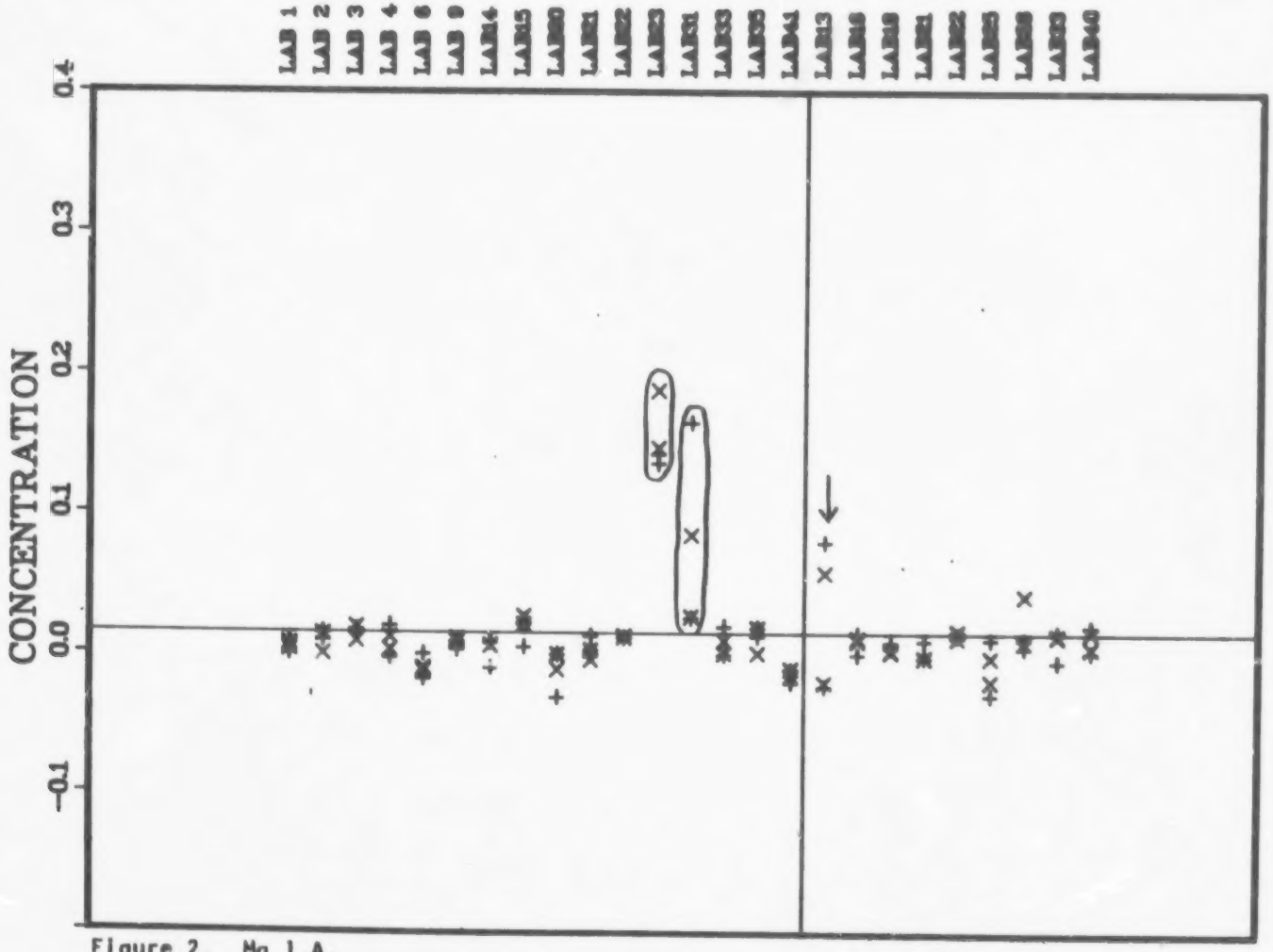


Figure 2. Mg 1.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG

SAMPLE 77-8 LOSS CORRECTED ALPHA

Table 2. Mg 1.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 77-8 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0030	.0070	.00500	.1933E-04
		2	0.0000	.0100		
2	LAB 2	1	0.0000	.0140	.00975	.4692E-04
		2	.0150	.0100		
3	LAB 3	1	.0190	.0090	.01475	.1892E-04
		2	.0170	.0140		
4	LAB 4	1	.0120	.0030	.00800	.1020E-03
		2	-.0030	.0200		
5	LAB 6	1	-.0120	-.0100	-.01000	.5600E-04
		2	-.0180	0.0000		
6	LAB 9	1	.0110	.0090	.00800	.1200E-04
		2	.0030	.0090		
7	LAB14	1	.0060	.0060	.00250	.7033E-04
		2	-.0100	.0080		
8	LAB15	1	.0270	.0210	.01850	.8900E-04
		2	.0050	.0210		
9	LAB20	1	0.0000	-.0110	-.01050	.2137E-03
		2	0.0000	-.0310		
10	LAB21	1	.0030	-.0040	.00375	.4892E-04
		2	.0030	.0130		
11	LAB22	1	.0130	.0120	.01225	.2500E-06
		2	.0120	.0120		
12	LAB23	1	.1880	.1470	.15350	.5497E-03
		2	.1430	.1360		
13	LAB31	1	.0850	.0270	.07975	.4301E-02
		2	.1650	.0260		
14	LAB33	1	.0010	.0100	.00775	.8692E-04
		2	.0200	0.0000		
15	LAB35	1	.0190	.0010	.01300	.7200E-04
		2	.0190	.0130		
16	LAB41	1	-.0100	-.0150	-.01400	.2067E-04
		2	-.0110	-.0200		
17	LAB13	1	-.0200	.0580	.02375	.2812E-02
		2	-.0230	.0800		
18	LAB16	1	.0100	.0120	.00925	.4225E-04
		2	.0150	0.0000		
19	LAB18	1	.0020	.0030	.00475	.9583E-05
		2	.0090	.0050		
20	LAB21	1	-.0020	-.0020	.00100	.3600E-04
		2	.0100	-.0020		
21	LAB22	1	.0170	.0120	.01425	.4250E-05
		2	.0140	.0140		
22	LAB25	1	-.0190	-.0020	-.00975	.3156E-03
		2	-.0290	.0110		
23	LAB26	1	.0090	.0420	.01675	.2996E-03
		2	.0050	.0110		
24	LAB33	1	.0140	.0130	.00950	.9500E-04
		2	-.0050	.0160		
25	LAB40	1	.0160	.0050	.01075	.7425E-04
		2	.0200	.0020		

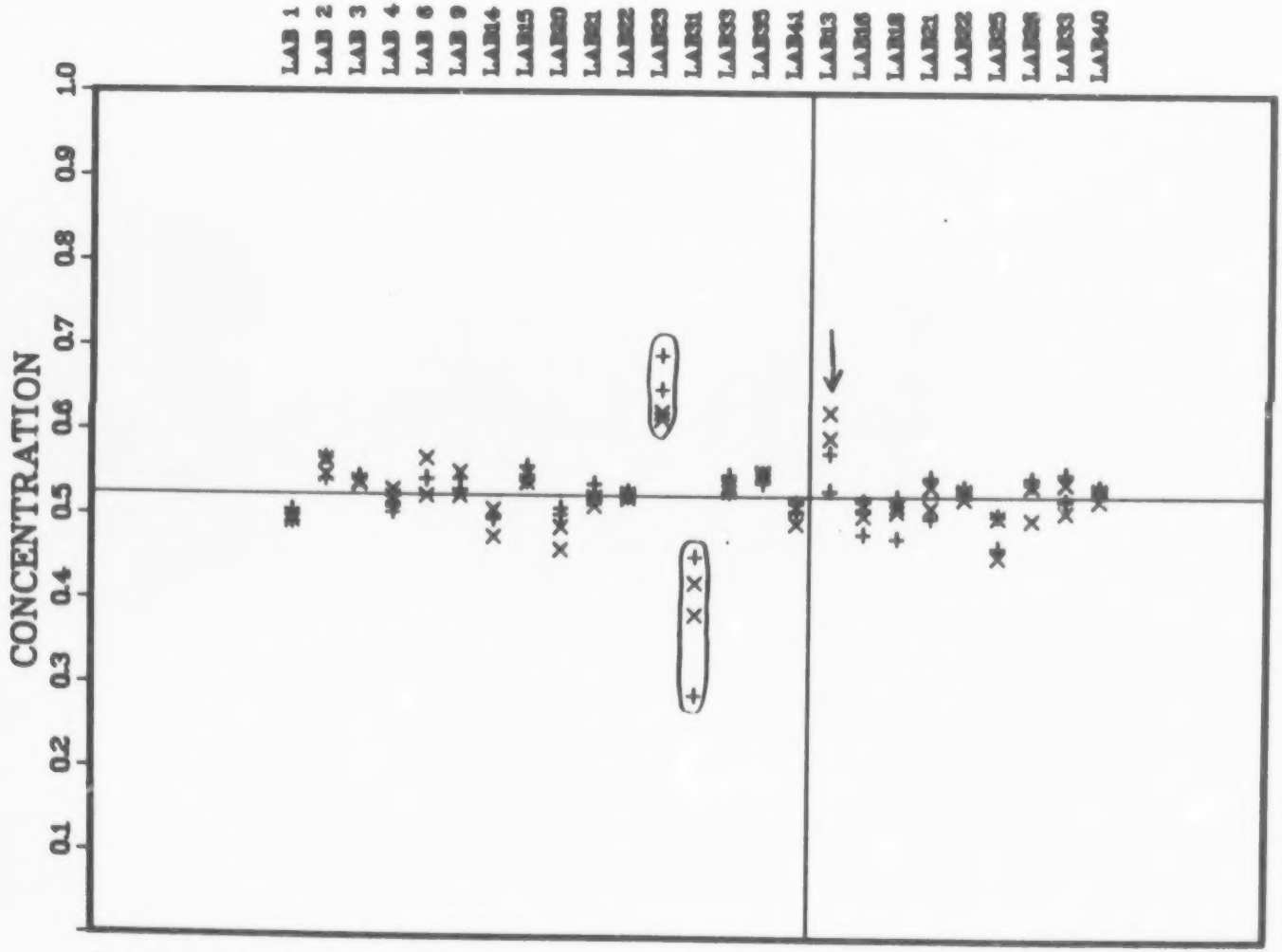


Figure 2. Mg 2.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG

SAMPLE 79-4 LOSS CORRECTED ALPHA

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 79-4 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.4990	.4930	.49750	.4167E-04
		2	.4920	.5060		
2	LAB 2	1	.5480	.5660	.55625	.1589E-03
		2	.5430	.5680		
3	LAB 3	1	.5380	.5400	.54150	.1167E-04
		2	.5420	.5460		
4	LAB 4	1	.5310	.5220	.51700	.1420E-03
		2	.5110	.5040		
5	LAB 6	1	.5240	.5680	.54500	.3240E-03
		2	.5440	.5440		
6	LAB 9	1	.5240	.5520	.53800	.1633E-03
		2	.5310	.5450		
7	LAB14	1	.5080	.4760	.49550	.1897E-03
		2	.5010	.4970		
8	LAB15	1	.5520	.5410	.54850	.7367E-04
		2	.5590	.5420		
9	LAB20	1	.4610	.4880	.49050	.4710E-03
		2	.5100	.5030		
10	LAB21	1	.5230	.5130	.52375	.1209E-03
		2	.5390	.5200		
11	LAB22	1	.5220	.5270	.52575	.1225E-04
		2	.5300	.5240		
12	LAB23	1	.6240	.6160	.64500	.1111E-02
		2	.6500	.6900		
13	LAB31	1	.4220	.3840	.38700	.5065E-02
		2	.4530	.2890		
14	LAB33	1	.5380	.5310	.53700	.9000E-04
		2	.5500	.5290		
15	LAB35	1	.5500	.5530	.54900	.3000E-04
		2	.5520	.5410		
16	LAB41	1	.4930	.5130	.50800	.1167E-03
		2	.5180	.5080		
17	LAB13	1	.6240	.5940	.58150	.1481E-02
		2	.5320	.5760		
18	LAB16	1	.5150	.5030	.50475	.3016E-03
		2	.5200	.4810		
19	LAB18	1	.5080	.5150	.50600	.4487E-03
		2	.5250	.4760		
20	LAB21	1	.5370	.5120	.52425	.4883E-03
		2	.5480	.5000		
21	LAB22	1	.5230	.5320	.53025	.2958E-04
		2	.5360	.5300		
22	LAB25	1	.4540	.5010	.48075	.6229E-03
		2	.4650	.5030		
23	LAB26	1	.4980	.5380	.53100	.4980E-03
		2	.5470	.5410		
24	LAB33	1	.5410	.5070	.53025	.4049E-03
		2	.5210	.5520		
25	LAB40	1	.5210	.5330	.53100	.4800E-04
		2	.5370	.5330		

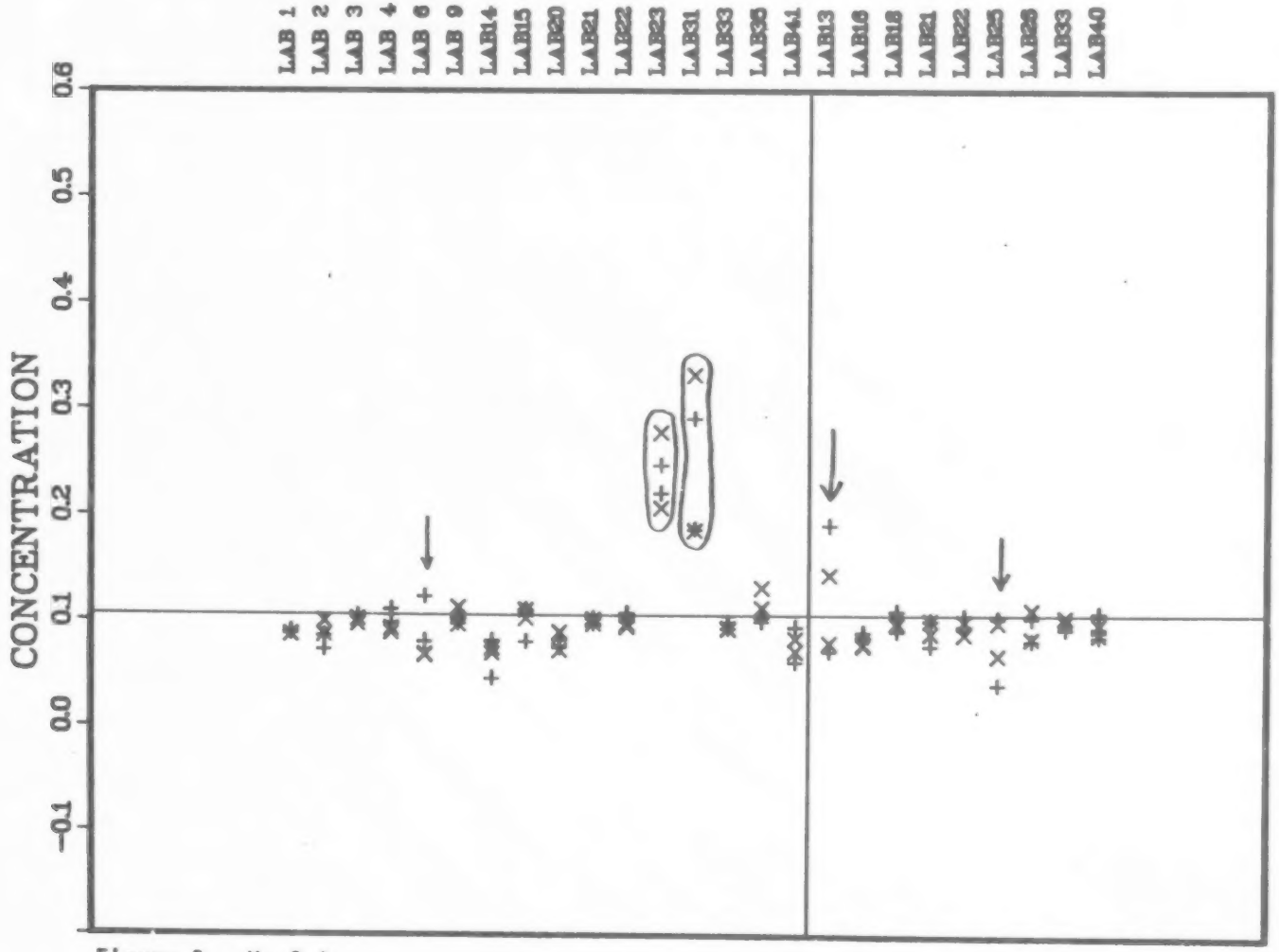


Figure 2. Mg 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE: 79-13 LOSS CORRECTED ALPHA

Table 2. Mg 3.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 79-13 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0870	.0870	.08800	.2000E-05
		2	.0880	.0900		
2	LAB 2	1	.0870	.1000	.08650	.1217E-03
		2	.0730	.0860		
3	LAB 3	1	.1020	.0970	.10175	.1158E-04
		2	.1030	.1050		
4	LAB 4	1	.0930	.0890	.09775	.9158E-04
		2	.0980	.1110		
5	LAB 6	1	.0690	.0680	.08525	.6683E-03
		2	.1230	.0810		
6	LAB 9	1	.1130	.0970	.10250	.5367E-04
		2	.0980	.1020		
7	LAB14	1	.0750	.0700	.06825	.2443E-03
		2	.0820	.0460		
8	LAB15	1	.1030	.1110	.10150	.2010E-03
		2	.0810	.1110		
9	LAB20	1	.0900	.0730	.08050	.5767E-04
		2	.0830	.0760		
10	LAB21	1	.0980	.1020	.10025	.6917E-05
		2	.0980	.1030		
11	LAB22	1	.0980	.0950	.10025	.3092E-04
		2	.1080	.1000		
12	LAB23	1	.2780	.2070	.23825	.9769E-03
		2	.2210	.2470		
13	LAB31	1	.3320	.1860	.24900	.5489E-02
		2	.2910	.1870		
14	LAB33	1	.0940	.0930	.09500	.7333E-05
		2	.0990	.0940		
15	LAB35	1	.1320	.1130	.11225	.2029E-03
		2	.1000	.1040		
16	LAB41	1	.0840	.0720	.07825	.2056E-03
		2	.0950	.0620		
17	LAB13	1	.0800	.1440	.12175	.3170E-02
		2	.0720	.1910		
18	LAB16	1	.0790	.0770	.08300	.3667E-04
		2	.0900	.0860		
19	LAB18	1	.0990	.0970	.09925	.6292E-04
		2	.0910	.1100		
20	LAB21	1	.1010	.0890	.09200	.1320E-03
		2	.1010	.0770		
21	LAB22	1	.1000	.0880	.09725	.5158E-04
		2	.0960	.1050		
22	LAB25	1	.0680	.0990	.07750	.8697E-03
		2	.0400	.1030		
23	LAB26	1	.0840	.1110	.09500	.2033E-03
		2	.0820	.1030		
24	LAB33	1	.1000	.1040	.09875	.2092E-04
		2	.0930	.0980		
25	LAB40	1	.0970	.0880	.09475	.1009E-03
		2	.1080	.0860		

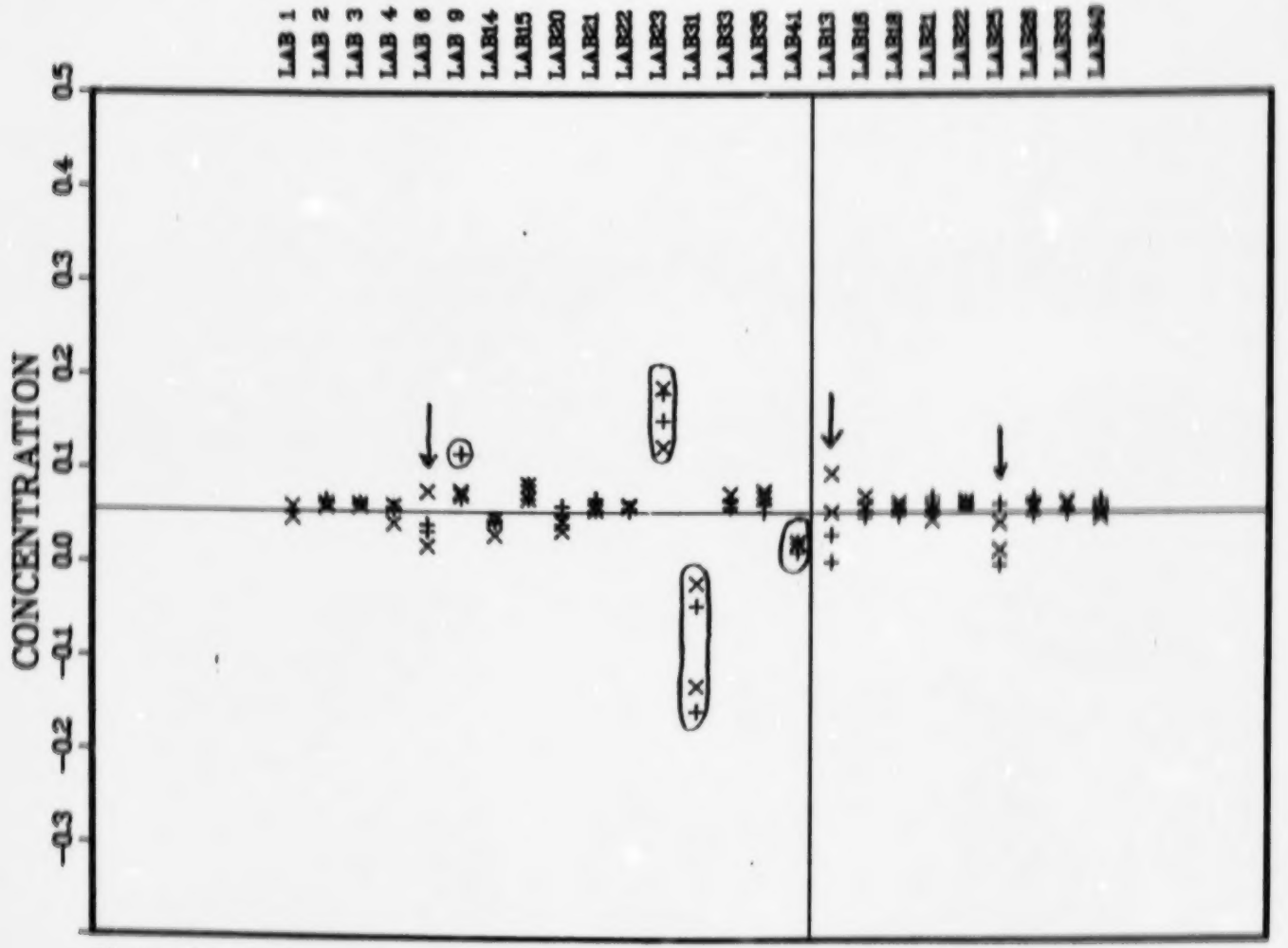


Figure 2. Mg 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG

SAMPLE: 83-1 LOSS CORRECTED ALPHA

Table 2.. Mg 4.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 83-1 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0490	.0610	.05500	.2400E-04
		2	.0550	.0550		
2	LAB 2	1	.0600	.0640	.06400	.8667E-05
		2	.0670	.0650		
3	LAB 3	1	.0610	.0630	.06275	.1583E-05
		2	.0640	.0630		
4	LAB 4	1	.0430	.0620	.05550	.7367E-04
		2	.0570	.0600		
5	LAB 6	1	.0770	.0190	.04325	.5989E-03
		2	.0420	.0350		
6	LAB 9	1	.0770	.0730	.08425	.4849E-03
		2	.1170	.0700		
7	LAB14	1	.0480	.0310	.04300	.6600E-04
		2	.0450	.0480		
8	LAB15	1	.0700	.0850	.07750	.7500E-04
		2	.0700	.0850		
9	LAB20	1	.0450	.0360	.04925	.1263E-03
		2	.0620	.0540		
10	LAB21	1	.0580	.0620	.06200	.3200E-04
		2	.0580	.0700		
11	LAB22	1	.0610	.0630	.06025	.6250E-05
		2	.0570	.0600		
12	LAB23	1	.1880	.1250	.16200	.8420E-03
		2	.1820	.1530		
13	LAB31	1	-.0200	-.1290	-.08725	.4288E-02
		2	-.0440	-.1560		
14	LAB33	1	.0750	.0630	.06675	.3892E-04
		2	.0680	.0610		
15	LAB35	1	.0780	.0720	.06750	.9167E-04
		2	.0640	.0560		
16	LAB41	1	.0240	.0230	.02100	.2867E-04
		2	.0240	.0130		
17	LAB13	1	.0970	.0560	.04700	.1581E-02
		2	.0030	.0320		
18	LAB16	1	.0730	.0620	.06100	.8467E-04
		2	.0580	.0510		
19	LAB18	1	.0600	.0660	.05975	.2825E-04
		2	.0600	.0530		
20	LAB21	1	.0600	.0480	.06000	.9600E-04
		2	.0720	.0600		
21	LAB22	1	.0630	.0680	.06500	.4667E-05
		2	.0650	.0640		
22	LAB25	1	.0160	.0450	.03150	.8457E-03
		2	0.0000	.0650		
23	LAB26	1	.0630	.0600	.06175	.3558E-04
		2	.0530	.0710		
24	LAB33	1	.0650	.0670	.06100	.3467E-04
		2	.0550	.0570		
25	LAB40	1	.0510	.0570	.05925	.3825E-04
		2	.0690	.0600		

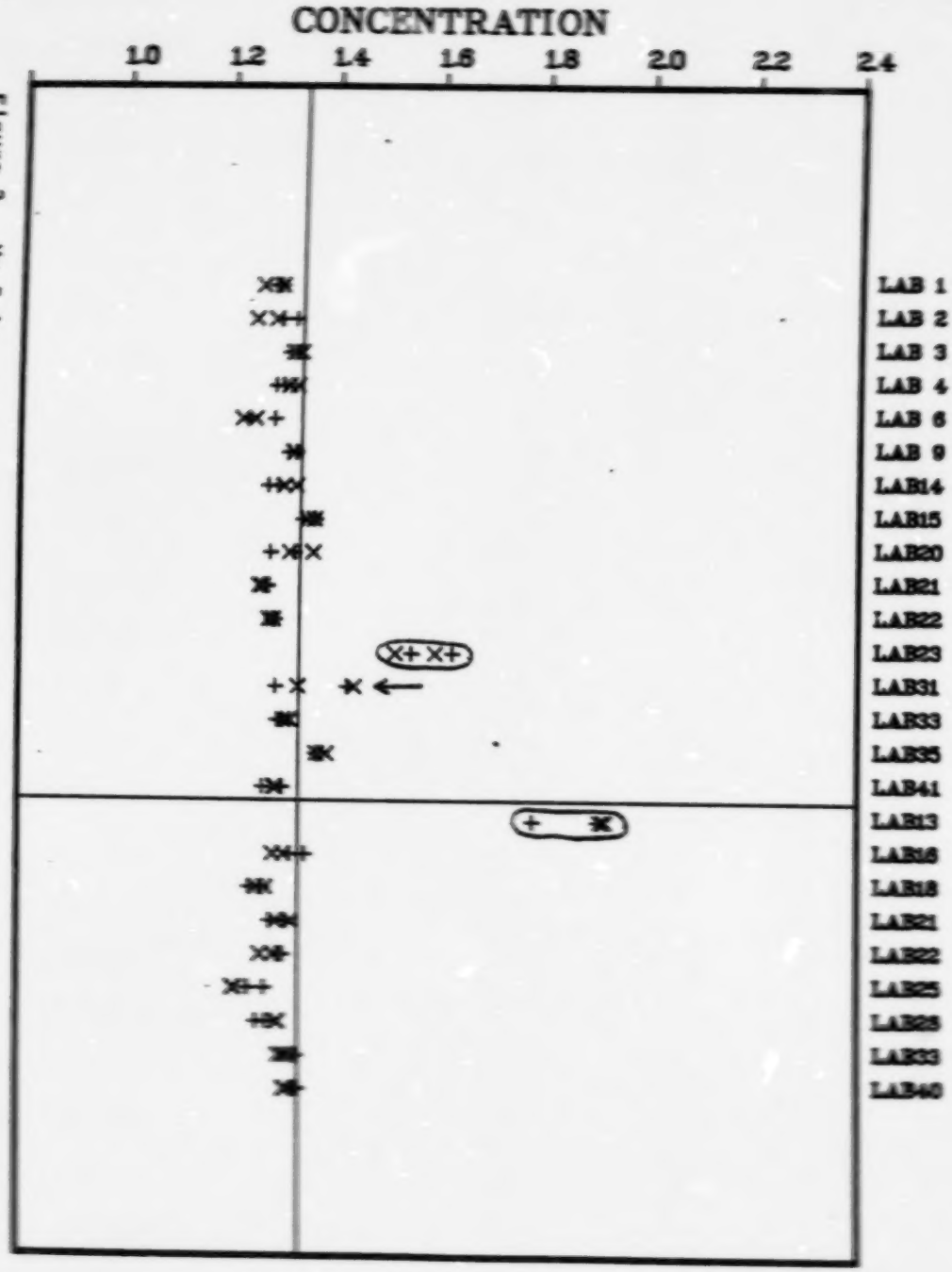


Figure 2. Hg 5.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1994 MG

SAMPLE 83–0 LOSS CORRECTED ALPHA

Table 2. Mg S.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 83-9 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.2620	1.2970	1.28525	.2589E-03
		2	1.2870	1.2950		
2	LAB 2	1	1.2870	1.2490	1.29000	.1017E-02
		2	1.3260	1.2980		
3	LAB 3	1	1.3210	1.3360	1.32400	.8467E-04
		2	1.3250	1.3140		
4	LAB 4	1	1.3140	1.3300	1.30925	.2969E-03
		2	1.3040	1.2890		
5	LAB 6	1	1.2250	1.2500	1.24975	.7209E-03
		2	1.2870	1.2370		
6	LAB 9	1	1.3240	1.3260	1.32350	.3633E-04
		2	1.3290	1.3150		
7	LAB14	1	1.3070	1.3300	1.30250	.4897E-03
		2	1.2960	1.2770		
8	LAB15	1	1.3510	1.3660	1.35675	.1376E-03
		2	1.3430	1.3670		
9	LAB20	1	1.3640	1.3190	1.32325	.1134E-02
		2	1.3280	1.2820		
10	LAB21	1	1.2610	1.2680	1.26875	.4292E-04
		2	1.2690	1.2770		
11	LAB22	1	1.2800	1.2890	1.28700	.2600E-04
		2	1.2920	1.2870		
12	LAB23	1	1.5210	1.5970	1.57500	.2318E-02
		2	1.6300	1.5520		
13	LAB31	1	1.4430	1.3370	1.37575	.5181E-02
		2	1.4290	1.2940		
14	LAB33	1	1.3210	1.3100	1.30875	.9158E-04
		2	1.3060	1.2980		
15	LAB35	1	1.3730	1.3910	1.37775	.7958E-04
		2	1.3750	1.3720		
16	LAB41	1	1.2960	1.2920	1.29125	.2409E-03
		2	1.3070	1.2700		
17	LAB13	1	1.9210	1.9120	1.88125	.4233E-02
		2	1.7840	1.9080		
18	LAB16	1	1.3110	1.2900	1.31850	.6457E-03
		2	1.3510	1.3220		
19	LAB18	1	1.2600	1.2760	1.26300	.1887E-03
		2	1.2450	1.2710		
20	LAB21	1	1.3260	1.2970	1.30575	.3342E-03
		2	1.3150	1.2850		
21	LAB22	1	1.2920	1.2660	1.29150	.3377E-03
		2	1.2990	1.3090		
22	LAB25	1	1.2140	1.2170	1.23675	.7743E-03
		2	1.2420	1.2740		
23	LAB26	1	1.2980	1.3000	1.28375	.3709E-03
		2	1.2780	1.2590		
24	LAB33	1	1.3030	1.3150	1.32100	.2167E-03
		2	1.3340	1.3320		
25	LAB40	1	1.3160	1.3120	1.32400	.1420E-03
		2	1.3310	1.3370		

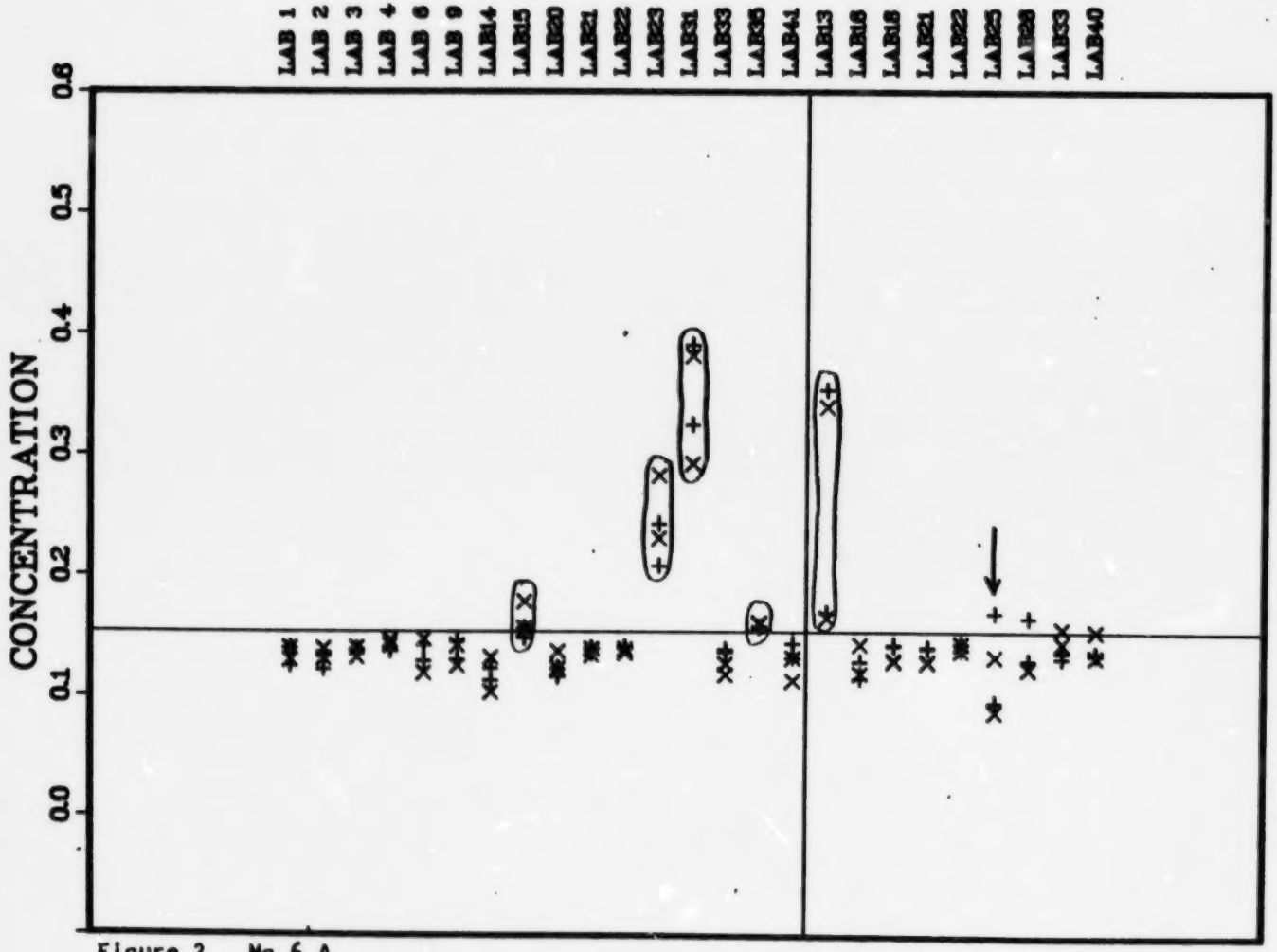


Figure 2. Mg 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE: 83-16 LOSS CORRECTED ALPHA

Table 2. Mg 6.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 83-16 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1300	.1400	.13375	.5625E-04
		2	.1250	.1400		
2	LAB 2	1	.1390	.1310	.13125	.4958E-04
		2	.1220	.1330		
3	LAB 3	1	.1400	.1320	.13725	.1292E-04
		2	.1390	.1380		
4	LAB 4	1	.1420	.1460	.14075	.1692E-04
		2	.1370	.1380		
5	LAB 6	1	.1190	.1470	.13425	.1609E-03
		2	.1420	.1290		
6	LAB 9	1	.1250	.1420	.13350	.9100E-04
		2	.1300	.1450		
7	LAB14	1	.1320	.1030	.11775	.1569E-03
		2	.1130	.1230		
8	LAB15	1	.1560	.1780	.15950	.1663E-03
		2	.1560	.1480		
9	LAB20	1	.1370	.1230	.12475	.7758E-04
		2	.1230	.1160		
10	LAB21	1	.1340	.1390	.13700	.8667E-05
		2	.1350	.1400		
11	LAB22	1	.1390	.1360	.13900	.4667E-05
		2	.1400	.1410		
12	LAB23	1	.2310	.2830	.24125	.9856E-03
		2	.2430	.2080		
13	LAB31	1	.3820	.2930	.34775	.2186E-02
		2	.3910	.3250		
14	LAB33	1	.1270	.1180	.13025	.9425E-04
		2	.1390	.1370		
15	LAB35	1	.1600	.1610	.15900	.3333E-05
		2	.1570	.1580		
16	LAB41	1	.1130	.1320	.13025	.1643E-03
		2	.1440	.1320		
17	LAB13	1	.1650	.3400	.25700	.1084E-01
		2	.1690	.3540		
18	LAB16	1	.1430	.1190	.12650	.1557E-03
		2	.1290	.1150		
19	LAB18	1	.1290	.1300	.13600	.5667E-04
		2	.1420	.1430		
20	LAB21	1	.1280	.1290	.13450	.4833E-04
		2	.1400	.1410		
21	LAB22	1	.1440	.1380	.14125	.1025E-04
		2	.1440	.1390		
22	LAB25	1	.0870	.1330	.12100	.1427E-02
		2	.0950	.1690		
23	LAB26	1	.1230	.1230	.13525	.4042E-03
		2	.1300	.1650		
24	LAB33	1	.1560	.1440	.14225	.1083E-03
		2	.1370	.1320		
25	LAB40	1	.1540	.1330	.13950	.9500E-04
		2	.1360	.1350		

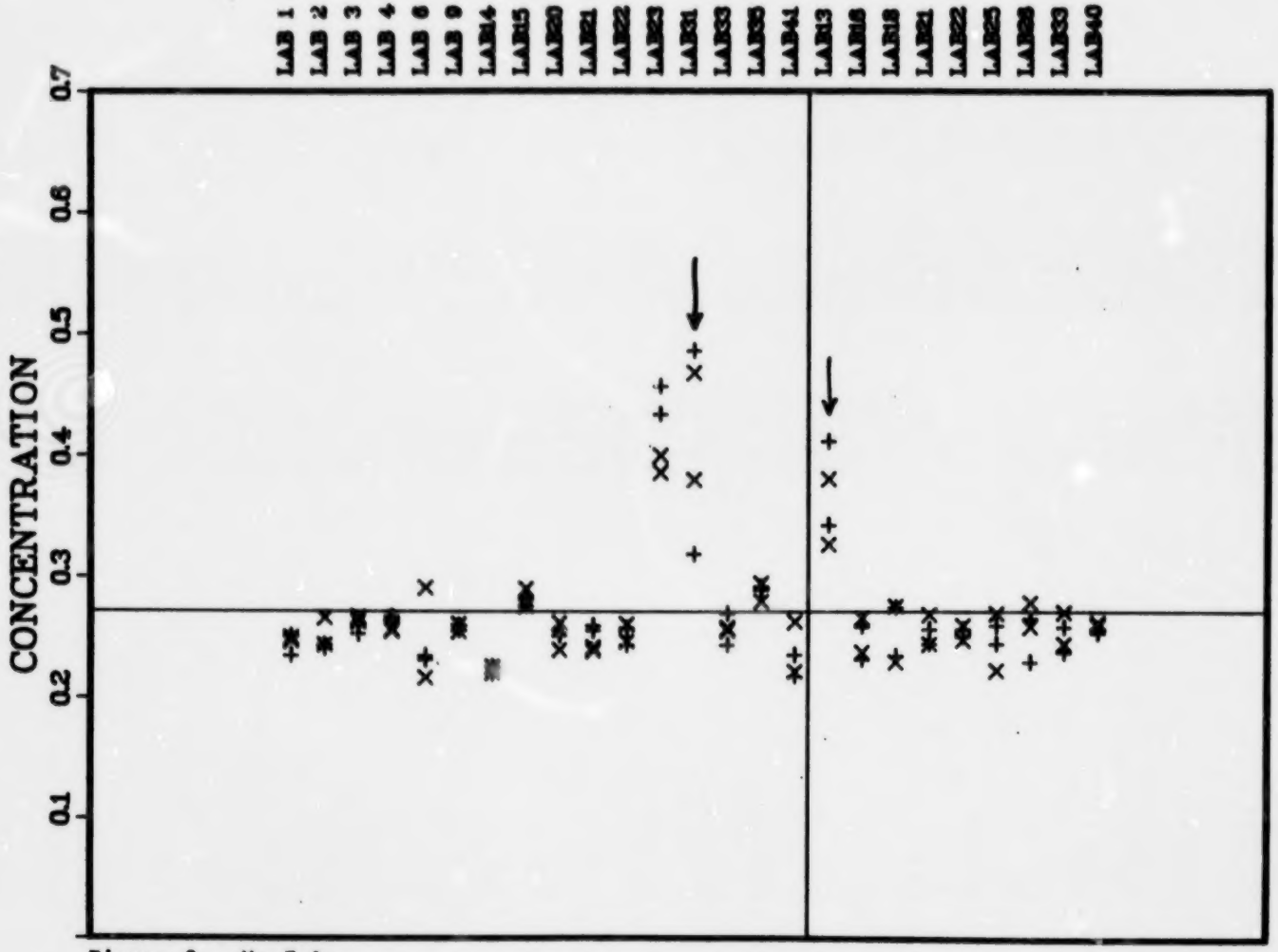


Figure 2. Mg 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE: 83-17 LOSS CORRECTED ALPHA

Table 2. Mg 7.A.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 83-17 LOSS CORRECTED ALPHA

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2470	.2500	.24575	.5425E-04
		2	.2350	.2510		
2	LAB 2	1	.2660	.2440	.24875	.1343E-03
		2	.2410	.2440		
3	LAB 3	1	.2630	.2670	.26075	.3492E-04
		2	.2600	.2530		
4	LAB 4	1	.2550	.2570	.26100	.3467E-04
		2	.2670	.2650		
5	LAB 6	1	.2910	.2170	.24375	.1054E-02
		2	.2350	.2320		
6	LAB 9	1	.2610	.2550	.25800	.8667E-05
		2	.2560	.2600		
7	LAB14	1	.2260	.2210	.22325	.1025E-04
		2	.2260	.2200		
8	LAB15	1	.2760	.2900	.28125	.4492E-04
		2	.2760	.2830		
9	LAB20	1	.2620	.2400	.25250	.8633E-04
		2	.2560	.2520		
10	LAB21	1	.2420	.2390	.24925	.1063E-03
		2	.2600	.2560		
11	LAB22	1	.2470	.2610	.25250	.6833E-04
		2	.2440	.2580		
12	LAB23	1	.4000	.3860	.41925	.1040E-02
		2	.4570	.4340		
13	LAB31	1	.4680	.3800	.41325	.6093E-02
		2	.4860	.3190		
14	LAB33	1	.2560	.2580	.25700	.1133E-03
		2	.2700	.2440		
15	LAB35	1	.2950	.2800	.28925	.4225E-04
		2	.2920	.2900		
16	LAB41	1	.2630	.2220	.23475	.4143E-03
		2	.2360	.2180		
17	LAB13	1	.3810	.3270	.36575	.1464E-02
		2	.3430	.4120		
18	LAB16	1	.2660	.2380	.24975	.2663E-03
		2	.2590	.2320		
19	LAB18	1	.2760	.2300	.25400	.6207E-03
		2	.2750	.2350		
20	LAB21	1	.2450	.2690	.25400	.1320E-03
		2	.2570	.2450		
21	LAB22	1	.2600	.2480	.25400	.3000E-04
		2	.2570	.2510		
22	LAB25	1	.2230	.2700	.24950	.4177E-03
		2	.2450	.2600		
23	LAB26	1	.2790	.2590	.25850	.4297E-03
		2	.2660	.2300		
24	LAB33	1	.2710	.2450	.25325	.2162E-03
		2	.2380	.2590		
25	LAB40	1	.2600	.2620	.25850	.1167E-04
		2	.2540	.2580		

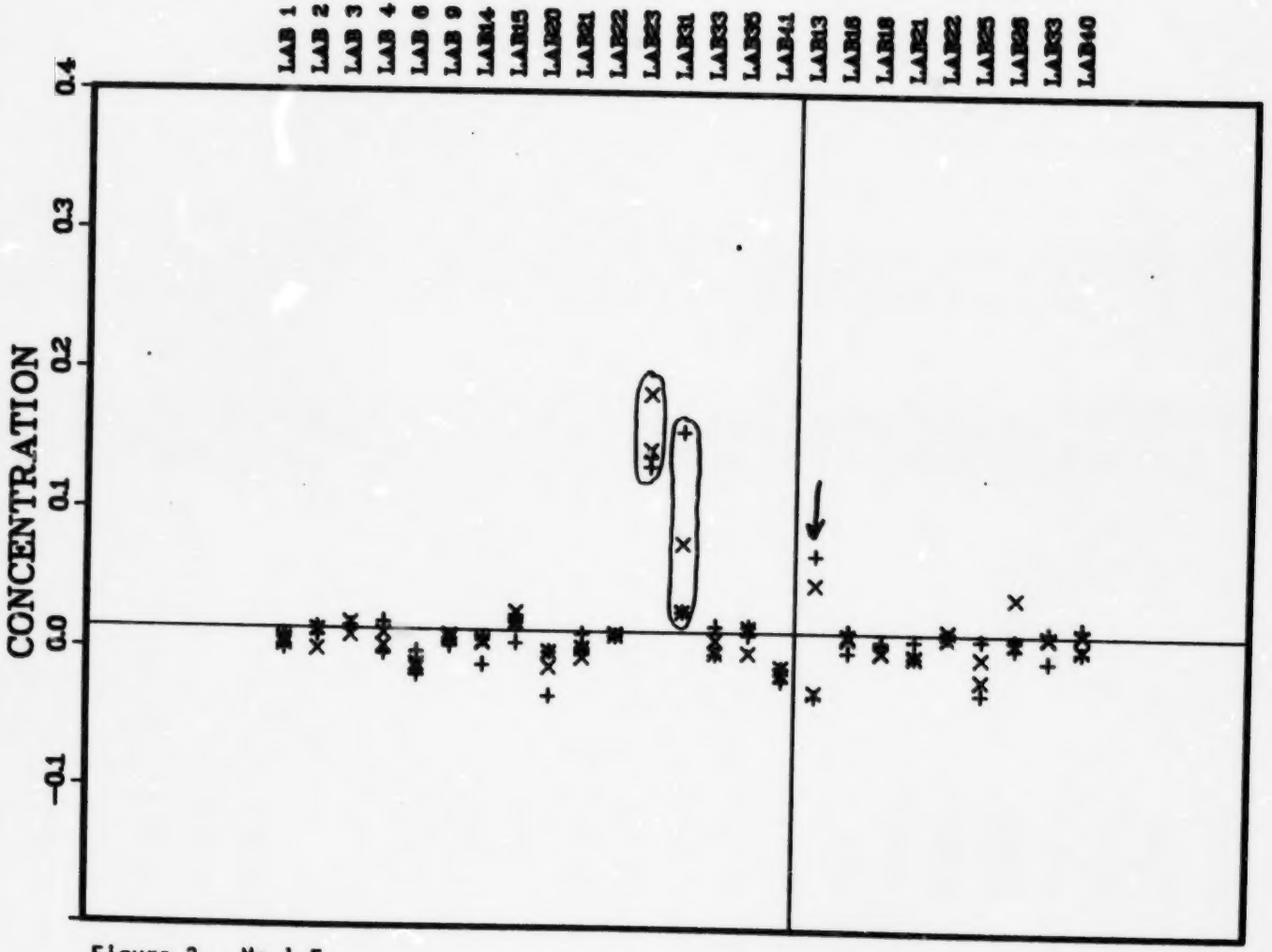


Figure 2. Mg I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE 77-8 LOSS ON FUSION CORRECTED

Table 2. Mg I.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 77-8 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0030	.0070	.00500	.1933E-04
		2	0.0000	.0100		
2	LAB 2	1	0.0000	.0140	.00975	.4692E-04
		2	.0150	.0100		
3	LAB 3	1	.0190	.0100	.01500	.1533E-04
		2	.0170	.0140		
4	LAB 4	1	.0120	.0030	.00800	.1020E-03
		2	-.0030	.0200		
5	LAB 6	1	-.0130	-.0100	-.01050	.5100E-04
		2	-.0180	-.0010		
6	LAB 9	1	.0110	.0090	.00800	.1200E-04
		2	.0030	.0090		
7	LAB14	1	.0060	.0070	.00275	.7292E-04
		2	-.0100	.0080		
8	LAB15	1	.0280	.0210	.01900	.9600E-04
		2	.0060	.0210		
9	LAB20	1	0.0000	-.0110	-.01075	.2276E-03
		2	0.0000	-.0320		
10	LAB21	1	.0030	-.0040	.00375	.4892E-04
		2	.0030	.0130		
11	LAB22	1	.0130	.0120	.01225	.2500E-06
		2	.0120	.0120		
12	LAB23	1	.1850	.1450	.15075	.5456E-03
		2	.1400	.1330		
13	LAB31	1	.0780	.0290	.07350	.3707E-02
		2	.1580	.0290		
14	LAB33	1	0.0000	.0090	.00675	.8692E-04
		2	.0190	-.0010		
15	LAB35	1	.0180	0.0000	.01250	.7633E-04
		2	.0190	.0130		
16	LAB41	1	-.0100	-.0150	-.01400	.2067E-04
		2	-.0110	-.0200		
17	LAB13	1	-.0280	.0490	.01500	.2715E-02
		2	-.0310	.0700		
18	LAB16	1	.0110	.0130	.01025	.4225E-04
		2	.0160	.0010		
19	LAB18	1	.0010	.0020	.00425	.1292E-04
		2	.0090	.0050		
20	LAB21	1	-.0010	-.0020	.00125	.3425E-04
		2	.0100	-.0020		
21	LAB22	1	.0170	.0120	.01425	.4250E-05
		2	.0140	.0140		
22	LAB25	1	-.0180	-.0020	-.00925	.2969E-03
		2	-.0280	.0110		
23	LAB26	1	.0090	.0410	.01650	.2730E-03
		2	.0050	.0110		
24	LAB33	1	.0140	.0130	.01000	.9000E-04
		2	-.0040	.0170		
25	LAB40	1	.0160	.0050	.01100	.6867E-04
		2	.0200	.0030		

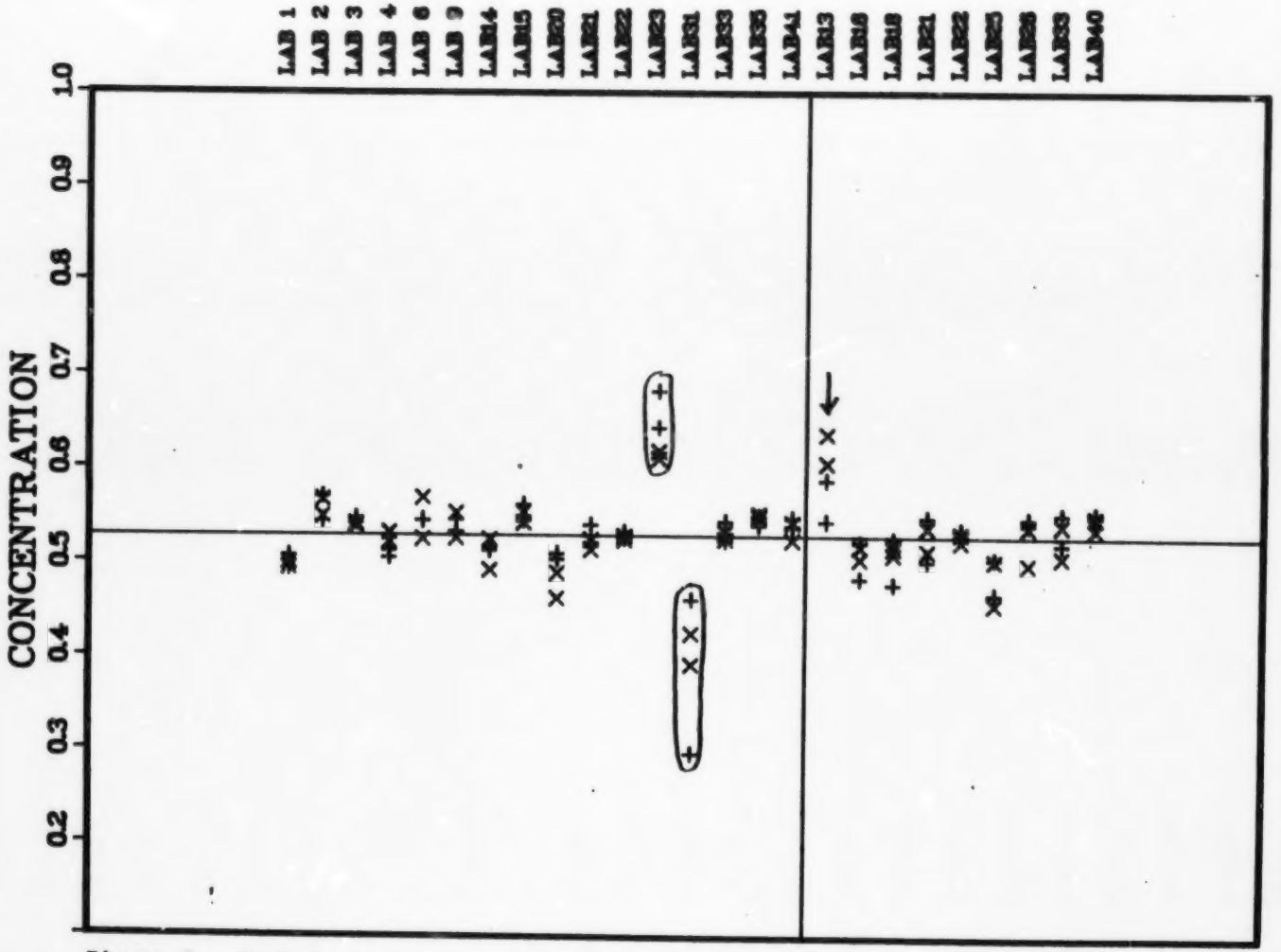


Figure 2. Mg 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE 79–4 LOSS ON FUSION CORRECTED

Table 2. Mg 2.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 79-4 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.4990	.4930	.49750	.4167E-04
		2	.4920	.5060		
2	LAB 2	1	.5480	.5660	.55650	.1670E-03
		2	.5430	.5690		
3	LAB 3	1	.5380	.5400	.54125	.1158E-04
		2	.5410	.5460		
4	LAB 4	1	.5310	.5210	.51700	.1353E-03
		2	.5120	.5040		
5	LAB 6	1	.5240	.5680	.54500	.3240E-03
		2	.5440	.5440		
6	LAB 9	1	.5250	.5520	.53850	.1497E-03
		2	.5320	.5450		
7	LAB14	1	.5240	.4910	.51075	.1982E-03
		2	.5160	.5120		
8	LAB15	1	.5530	.5420	.55000	.7667E-04
		2	.5610	.5440		
9	LAB20	1	.4610	.4880	.49025	.4583E-03
		2	.5090	.5030		
10	LAB21	1	.5240	.5130	.52450	.1283E-03
		2	.5400	.5210		
11	LAB22	1	.5240	.5280	.52725	.1292E-04
		2	.5320	.5250		
12	LAB23	1	.6190	.6110	.63925	.1048E-02
		2	.6440	.6830		
13	LAB31	1	.4240	.3910	.39275	.4954E-02
		2	.4600	.2960		
14	LAB33	1	.5330	.5250	.53125	.9092E-04
		2	.5440	.5230		
15	LAB35	1	.5490	.5520	.54775	.2825E-04
		2	.5500	.5400		
16	LAB41	1	.5240	.5430	.53850	.1070E-03
		2	.5480	.5390		
17	LAB13	1	.6370	.6060	.59375	.1510E-02
		2	.5440	.5880		
18	LAB16	1	.5170	.5040	.50650	.3030E-03
		2	.5220	.4830		
19	LAB18	1	.5090	.5160	.50700	.4487E-03
		2	.5260	.4770		
20	LAB21	1	.5380	.5130	.52550	.4723E-03
		2	.5490	.5020		
21	LAB22	1	.5230	.5320	.53025	.2958E-04
		2	.5360	.5300		
22	LAB25	1	.4560	.5030	.48275	.6229E-03
		2	.4670	.5050		
23	LAB26	1	.4990	.5390	.53200	.4980E-03
		2	.5480	.5420		
24	LAB33	1	.5410	.5070	.53050	.4197E-03
		2	.5210	.5530		
25	LAB40	1	.5370	.5500	.54800	.5667E-04
		2	.5540	.5510		

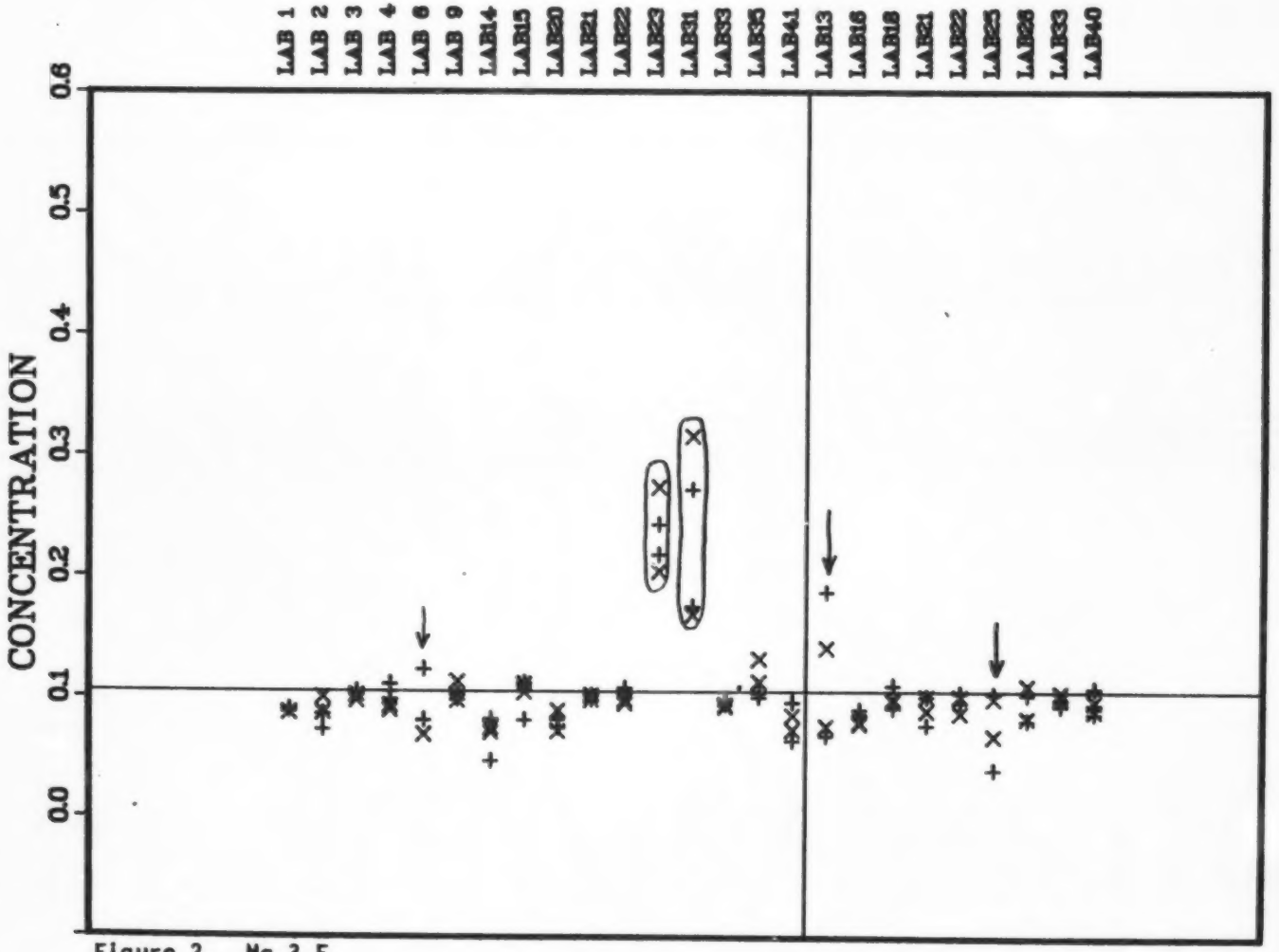


Figure 2. Mg 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE: 79-13 LOSS ON FUSION CORRECTED

Table 2. Mg 3.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 79-13 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0870	.0870	.08800	.2000E-05
		2	.0880	.0900		
2	LAB 2	1	.0870	.1000	.08650	.1217E-03
		2	.0730	.0860		
3	LAB 3	1	.1020	.0970	.10150	.1100E-04
		2	.1020	.1050		
4	LAB 4	1	.0930	.0890	.09775	.9158E-04
		2	.0980	.1110		
5	LAB 6	1	.0690	.0690	.08550	.6570E-03
		2	.1230	.0810		
6	LAB 9	1	.1130	.0970	.10250	.5367E-04
		2	.0980	.1020		
7	LAB14	1	.0750	.0710	.06875	.2309E-03
		2	.0820	.0470		
8	LAB15	1	.1040	.1110	.10200	.2087E-03
		2	.0810	.1120		
9	LAB20	1	.0890	.0720	.07950	.5767E-04
		2	.0820	.0750		
10	LAB21	1	.0980	.1020	.10000	.5333E-05
		2	.0980	.1020		
11	LAB22	1	.0980	.0950	.10025	.3092E-04
		2	.1080	.1000		
12	LAB23	1	.2740	.2040	.23475	.9449E-03
		2	.2180	.2430		
13	LAB31	1	.3160	.1680	.23275	.5333E-02
		2	.2720	.1750		
14	LAB33	1	.0940	.0920	.09450	.6333E-05
		2	.0980	.0940		
15	LAB35	1	.1320	.1130	.11225	.2029E-03
		2	.1000	.1040		
16	LAB41	1	.0850	.0730	.07950	.1950E-03
		2	.0960	.0640		
17	LAB13	1	.0760	.1410	.11800	.3185E-02
		2	.0680	.1870		
18	LAB16	1	.0800	.0780	.08350	.3033E-04
		2	.0900	.0860		
19	LAB18	1	.0990	.0970	.09925	.6292E-04
		2	.0910	.1100		
20	LAB21	1	.1010	.0890	.09200	.1320E-03
		2	.1010	.0770		
21	LAB22	1	.1010	.0870	.09700	.5533E-04
		2	.0960	.1040		
22	LAB25	1	.0680	.0990	.07750	.8697E-03
		2	.0400	.1030		
23	LAB26	1	.0830	.1100	.09400	.2033E-03
		2	.0810	.1020		
24	LAB33	1	.1000	.1040	.09875	.2092E-04
		2	.0930	.0980		
25	LAB40	1	.0970	.0890	.09525	.9092E-04
		2	.1080	.0870		

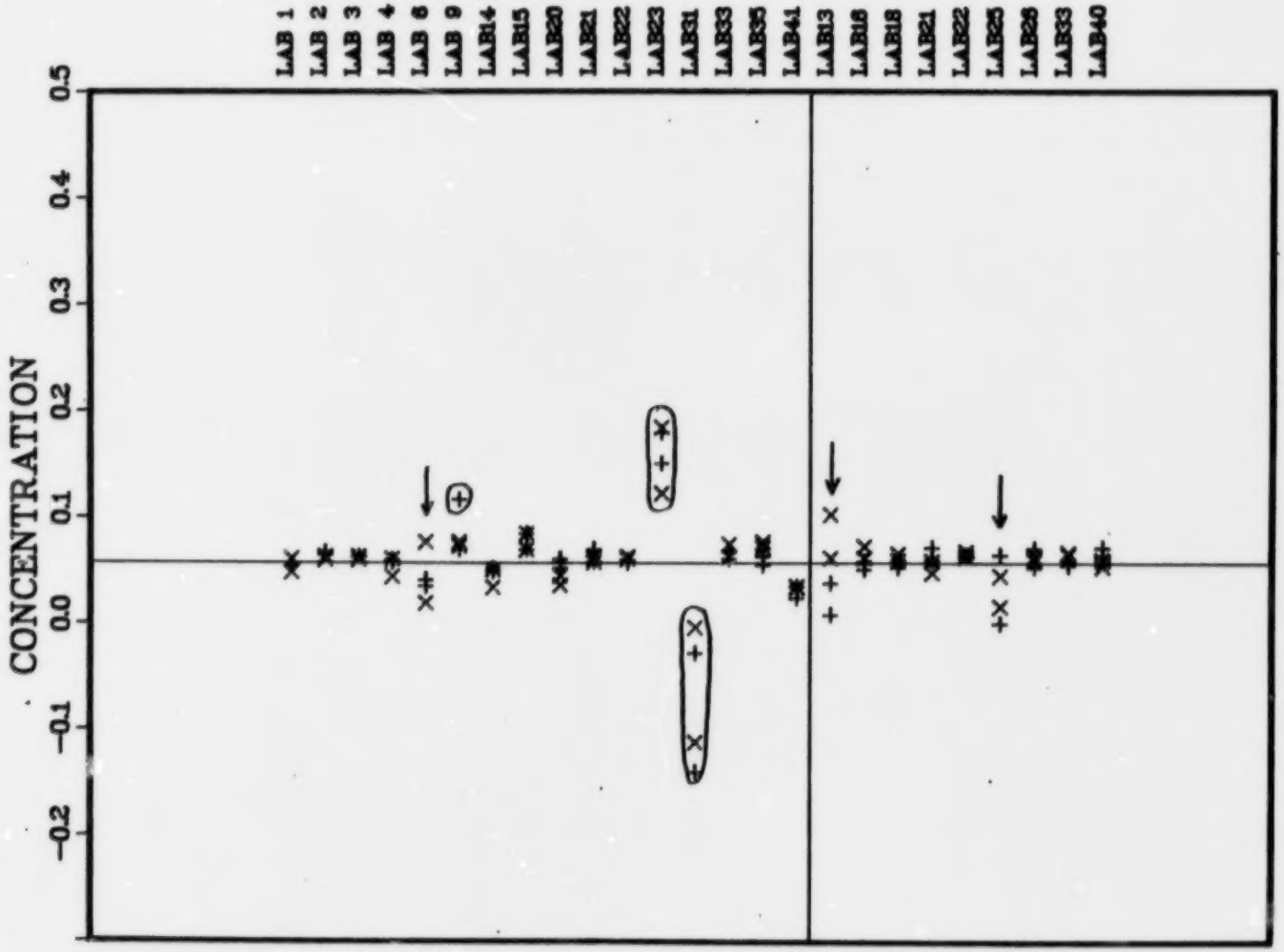


Figure 2. Mg 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE: 83-1 LOSS ON FUSION CORRECTED

Table 2. Mg 4.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 83-1 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.0480	.0610	.05475	.2825E-04
		2	.0550	.0550		
2	LAB 2	1	.0600	.0630	.06375	.8917E-05
		2	.0670	.0650		
3	LAB 3	1	.0600	.0630	.06225	.2250E-05
		2	.0630	.0630		
4	LAB 4	1	.0440	.0610	.05375	.6292E-04
		2	.0580	.0600		
5	LAB 6	1	.0770	.0190	.04300	.6000E-03
		2	.0410	.0350		
6	LAB 9	1	.0770	.0730	.08425	.4849E-03
		2	.1170	.0700		
7	LAB14	1	.0510	.0340	.04650	.7100E-04
		2	.0490	.0520		
8	LAB15	1	.0700	.0850	.07750	.7500E-04
		2	.0700	.0850		
9	LAB20	1	.0450	.0360	.04850	.1123E-03
		2	.0610	.0520		
10	LAB21	1	.0580	.0620	.06200	.3200E-04
		2	.0580	.0700		
11	LAB22	1	.0610	.0630	.06025	.6250E-05
		2	.0570	.0600		
12	LAB23	1	.1850	.1230	.15975	.8249E-03
		2	.1800	.1510		
13	LAB31	1	-.0040	-.1120	-.07100	.4260E-02
		2	-.0280	-.1400		
14	LAB33	1	.0750	.0630	.06675	.3892E-04
		2	.0680	.0610		
15	LAB35	1	.0770	.0720	.06700	.9267E-04
		2	.0640	.0550		
16	LAB41	1	.0350	.0340	.03200	.2867E-04
		2	.0350	.0240		
17	LAB13	1	.1030	.0620	.05275	.1610E-02
		2	.0080	.0380		
18	LAB16	1	.0730	.0620	.06125	.8292E-04
		2	.0590	.0510		
19	LAB18	1	.0600	.0660	.05975	.2825E-04
		2	.0600	.0530		
20	LAB21	1	.0590	.0480	.05975	.9625E-04
		2	.0720	.0600		
21	LAB22	1	.0630	.0680	.06500	.4667E-05
		2	.0650	.0640		
22	LAB25	1	.0160	.0450	.03150	.8457E-03
		2	0.0000	.0650		
23	LAB26	1	.0630	.0600	.06175	.5558E-04
		2	.0530	.0710		
24	LAB33	1	.0650	.0670	.06100	.3467E-04
		2	.0550	.0570		
25	LAB40	1	.0540	.0600	.06250	.5700E-04
		2	.0720	.0640		

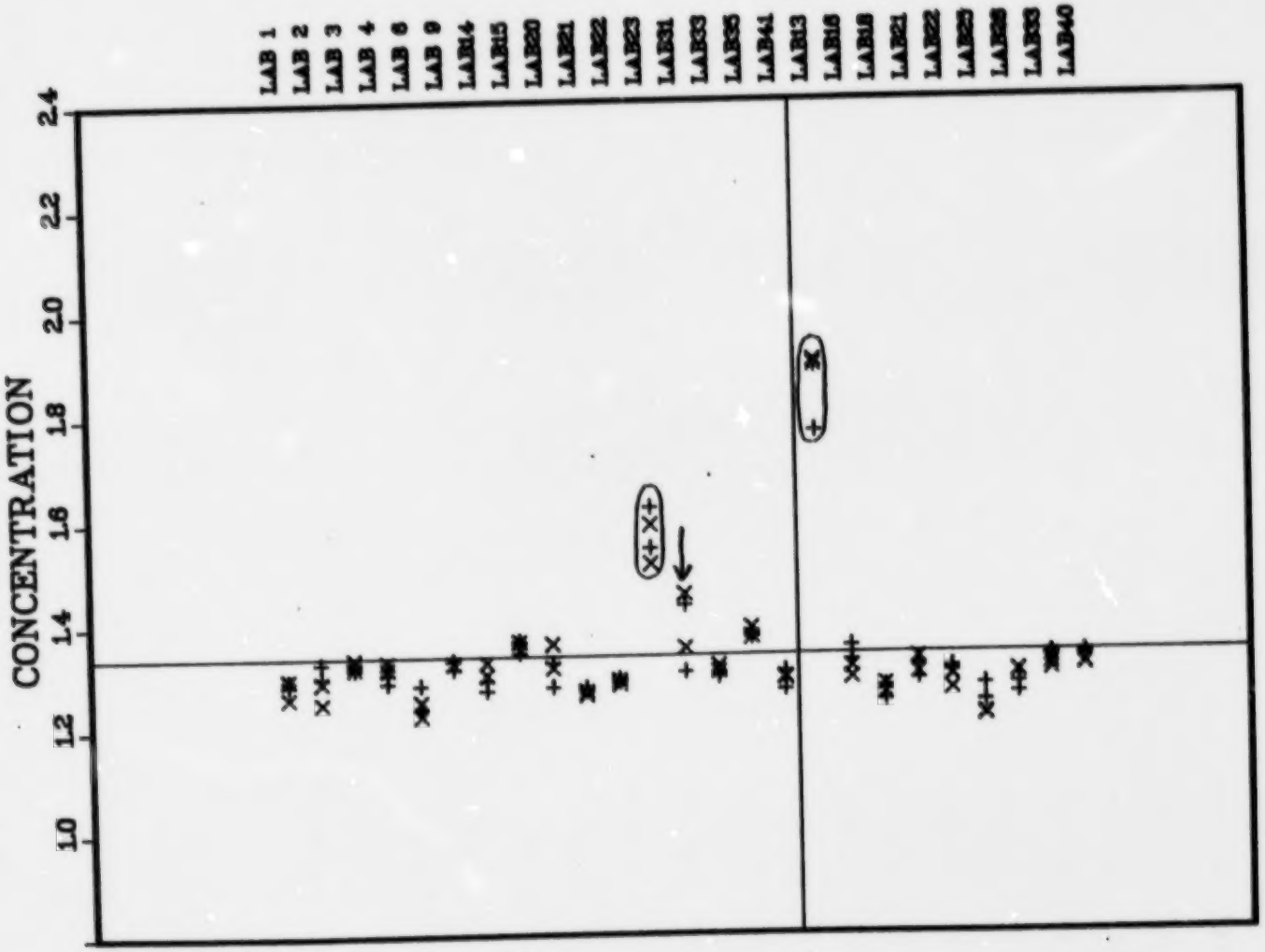


Figure 2. Mg 5.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE: 83-9 LOSS ON FUSION CORRECTED

Table 2. Mg S.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 83-9 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	1.2620	1.2980	1.28575	.2736E-03
		2	1.2870	1.2960		
2	LAB 2	1	1.2920	1.2510	1.29300	.1037E-02
		2	1.3290	1.3000		
3	LAB 3	1	1.3190	1.3360	1.32375	.7292E-04
		2	1.3230	1.3170		
4	LAB 4	1	1.3170	1.3300	1.31100	.2847E-03
		2	1.3070	1.2900		
5	LAB 6	1	1.2250	1.2530	1.25075	.6523E-03
		2	1.2850	1.2400		
6	LAB 9	1	1.3270	1.3270	1.32550	.4567E-04
		2	1.3320	1.3160		
7	LAB14	1	1.3040	1.3280	1.30000	.5040E-03
		2	1.2940	1.2740		
8	LAB15	1	1.3530	1.3680	1.35900	.1287E-03
		2	1.3460	1.3690		
9	LAB20	1	1.3630	1.3170	1.32150	.1162E-02
		2	1.3260	1.2800		
10	LAB21	1	1.2640	1.2710	1.27125	.3758E-04
		2	1.2710	1.2790		
11	LAB22	1	1.2840	1.2920	1.29000	.2200E-04
		2	1.2950	1.2890		
12	LAB23	1	1.5150	1.5900	1.56825	.2282E-02
		2	1.6230	1.5450		
13	LAB31	1	1.4560	1.3530	1.38775	.4873E-02
		2	1.4350	1.3070		
14	LAB33	1	1.3180	1.3070	1.30675	.7492E-04
		2	1.3050	1.2970		
15	LAB35	1	1.3720	1.3900	1.37775	.6958E-04
		2	1.3760	1.3730		
16	LAB41	1	1.2950	1.2920	1.29075	.2276E-03
		2	1.3060	1.2700		
17	LAB13	1	1.9000	1.8920	1.86175	.4096E-02
		2	1.7660	1.8890		
18	LAB16	1	1.3130	1.2920	1.32075	.6483E-03
		2	1.3530	1.3250		
19	LAB18	1	1.2620	1.2780	1.26525	.1943E-03
		2	1.2470	1.2740		
20	LAB21	1	1.3290	1.3000	1.30875	.3343E-03
		2	1.3180	1.2880		
21	LAB22	1	1.2950	1.2680	1.29400	.3433E-03
		2	1.3020	1.3110		
22	LAB25	1	1.2170	1.2200	1.23975	.7743E-03
		2	1.2450	1.2770		
23	LAB26	1	1.3000	1.3010	1.28500	.3807E-03
		2	1.2790	1.2600		
24	LAB33	1	1.3040	1.3150	1.32125	.2049E-03
		2	1.3340	1.3320		
25	LAB40	1	1.3150	1.3120	1.32300	.1260E-03
		2	1.3300	1.3350		

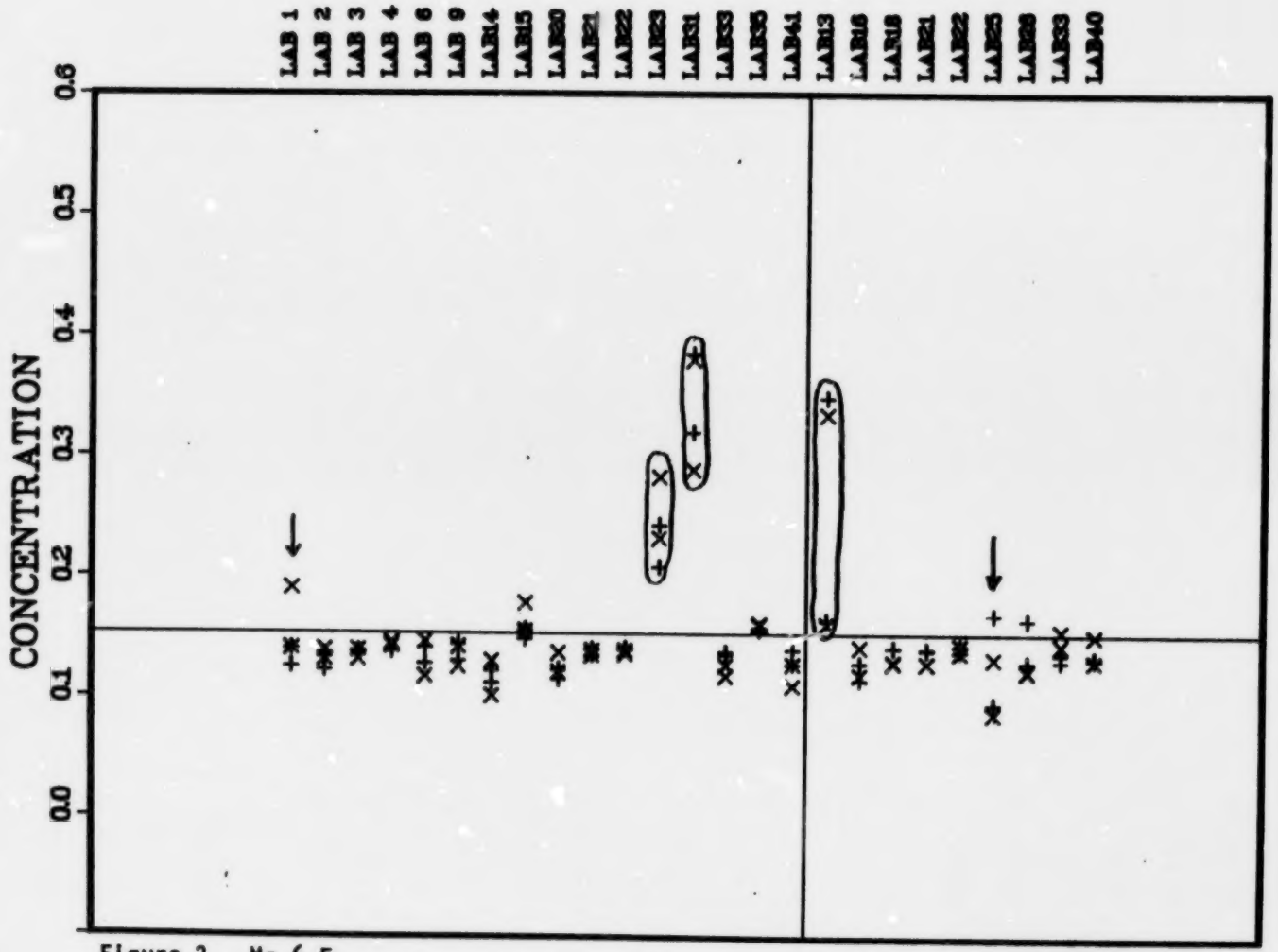


Figure 2. Mg 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE: 83-16 LOSS ON FUSION CORRECTED

Table 2. Mg 6.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 83-16 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.1900	.1400	.14875	.8062E-03
		2	.1250	.1400		
2	LAB 2	1	.1390	.1310	.13125	.4958E-04
		2	.1220	.1330		
3	LAB 3	1	.1390	.1310	.13650	.1367E-04
		2	.1380	.1380		
4	LAB 4	1	.1420	.1450	.14075	.1158E-04
		2	.1380	.1380		
5	LAB 6	1	.1170	.1460	.13300	.1713E-03
		2	.1410	.1280		
6	LAB 9	1	.1250	.1420	.13525	.8492E-04
		2	.1300	.1440		
7	LAB14	1	.1300	.1010	.11625	.1576E-03
		2	.1120	.1220		
8	LAB15	1	.1550	.1780	.15925	.1689E-03
		2	.1560	.1480		
9	LAB20	1	.1370	.1210	.12400	.8667E-04
		2	.1230	.1150		
10	LAB21	1	.1350	.1390	.13725	.6917E-05
		2	.1350	.1400		
11	LAB22	1	.1390	.1360	.13900	.4667E-05
		2	.1400	.1410		
12	LAB23	1	.2320	.2830	.24150	.9790E-03
		2	.2430	.2080		
13	LAB31	1	.3800	.2890	.34350	.2192E-02
		2	.3850	.3200		
14	LAB33	1	.1270	.1180	.12975	.8425E-04
		2	.1380	.1360		
15	LAB35	1	.1600	.1610	.15875	.4917E-05
		2	.1560	.1580		
16	LAB41	1	.1100	.1280	.12650	.1530E-03
		2	.1400	.1280		
17	LAB13	1	.1610	.3350	.25225	.1077E-01
		2	.1640	.3490		
18	LAB16	1	.1420	.1190	.12625	.1449E-03
		2	.1290	.1150		
19	LAB18	1	.1290	.1300	.13575	.5225E-04
		2	.1420	.1420		
20	LAB21	1	.1290	.1290	.13475	.4425E-04
		2	.1400	.1410		
21	LAB22	1	.1440	.1380	.14125	.1025E-04
		2	.1440	.1390		
22	LAB25	1	.0870	.1330	.12100	.1427E-02
		2	.0950	.1690		
23	LAB26	1	.1220	.1230	.13500	.4127E-03
		2	.1300	.1650		
24	LAB33	1	.1560	.1440	.14200	.1153E-03
		2	.1370	.1310		
25	LAB40	1	.1520	.1310	.13750	.9500E-04
		2	.1340	.1330		

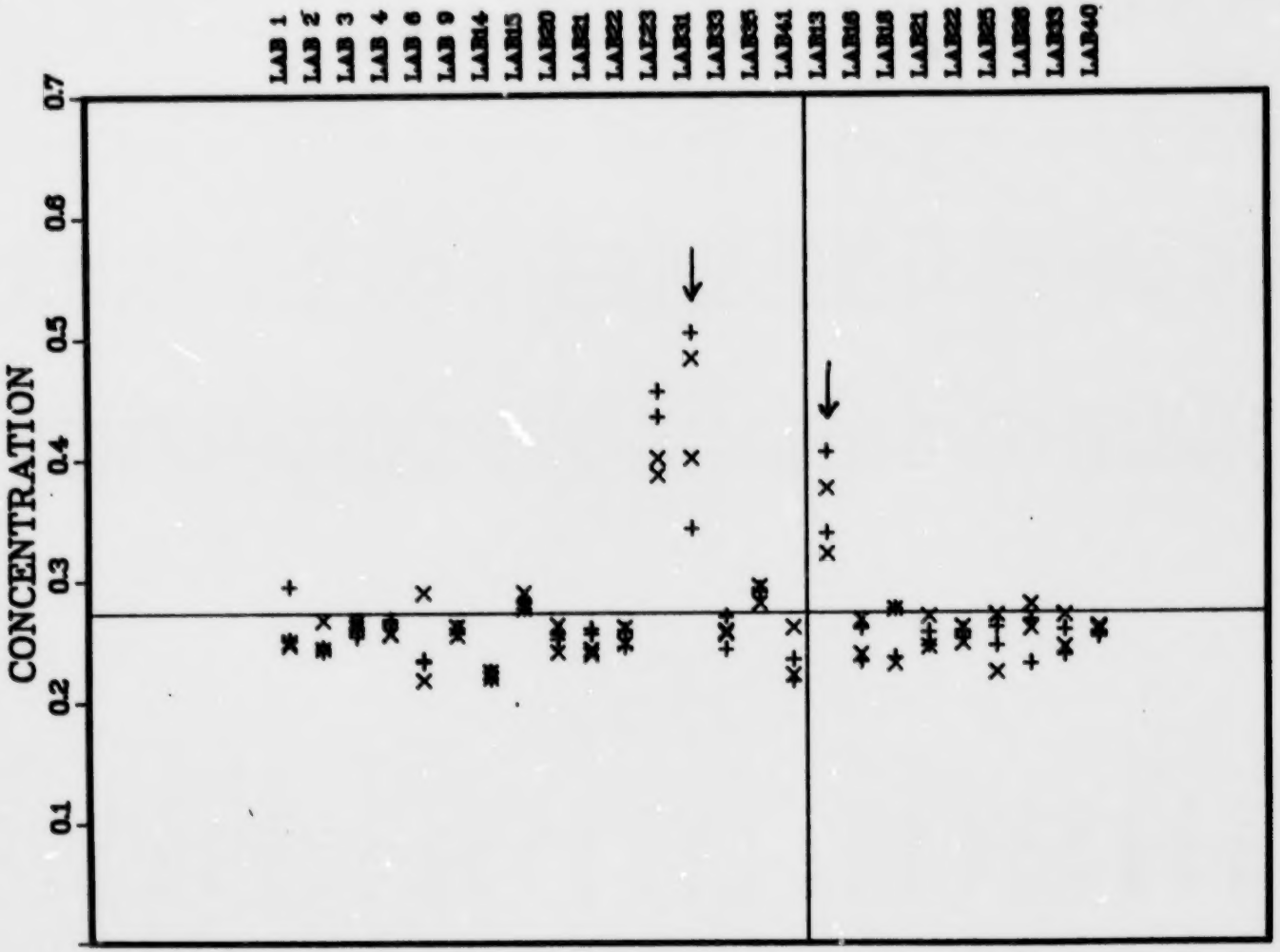


Figure 2. Mg 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD – 1984 MG

SAMPLE: 83-27 LOSS ON FUSION CORRECTED

Table 2. Mg 7.F.

ISO/TC 102/SC 2/WG 15A XRF SPECTROMETRIC METHOD - 1984 MG
SAMPLE: 83-17 LOSS ON FUSION CORRECTED

LABORATORY NO.	COUNTRY	BOTTLE NO.	ANALYTICAL RESULTS		LAB MEAN	LAB VARIANCE
1	LAB 1	1	.2470	.2500	.26075	.5242E-03
		2	.2950	.2510		
2	LAB 2	1	.2670	.2440	.24950	.1377E-03
		2	.2420	.2450		
3	LAB 3	1	.2620	.2670	.26075	.2892E-04
		2	.2600	.2540		
4	LAB 4	1	.2560	.2570	.26175	.3758E-04
		2	.2680	.2660		
5	LAB 6	1	.2900	.2180	.24400	.9980E-03
		2	.2350	.2330		
6	LAB 9	1	.2620	.2550	.25875	.1092E-04
		2	.2570	.2610		
7	LAB14	1	.2250	.2200	.22225	.1025E-04
		2	.2250	.2190		
8	LAB15	1	.2770	.2900	.28175	.3825E-04
		2	.2770	.2830		
9	LAB20	1	.2630	.2410	.25300	.8467E-04
		2	.2560	.2520		
10	LAB21	1	.2430	.2390	.24950	.1017E-03
		2	.2600	.2560		
11	LAB22	1	.2480	.2610	.25325	.6292E-04
		2	.2450	.2590		
12	LAB23	1	.4010	.3870	.41975	.9903E-03
		2	.4560	.4350		
13	LAB31	1	.4830	.4010	.43275	.5555E-02
		2	.5040	.3430		
14	LAB33	1	.2560	.2580	.25675	.1223E-03
		2	.2700	.2430		
15	LAB35	1	.2950	.2810	.29000	.3867E-04
		2	.2930	.2910		
16	LAB41	1	.2610	.2220	.23375	.3876E-03
		2	.2350	.2170		
17	LAB13	1	.3760	.3220	.36075	.1415E-02
		2	.3390	.4060		
18	LAB16	1	.2670	.2390	.24975	.2663E-03
		2	.2600	.2330		
19	LAB18	1	.2760	.2310	.25475	.6063E-03
		2	.2760	.2360		
20	LAB21	1	.2450	.2700	.25450	.1363E-03
		2	.2570	.2460		
21	LAB22	1	.2610	.2480	.25475	.3425E-04
		2	.2580	.2520		
22	LAB25	1	.2240	.2710	.25050	.4177E-03
		2	.2460	.2610		
23	LAB26	1	.2800	.2600	.25950	.4297E-03
		2	.2670	.2310		
24	LAB33	1	.2710	.2450	.25325	.2162E-03
		2	.2380	.2590		
25	LAB40	1	.2590	.2610	.25750	.1167E-04
		2	.2530	.2570		